CATALOGUE OF PLANTS

Collected in GEORGIA

within 60 miles of

OKEFINOKEE SWAMP

in the counties of

Pierce, Ware, Charlton, Glynn,

Camden, Clinch and Echols

in August, 1902,

BY

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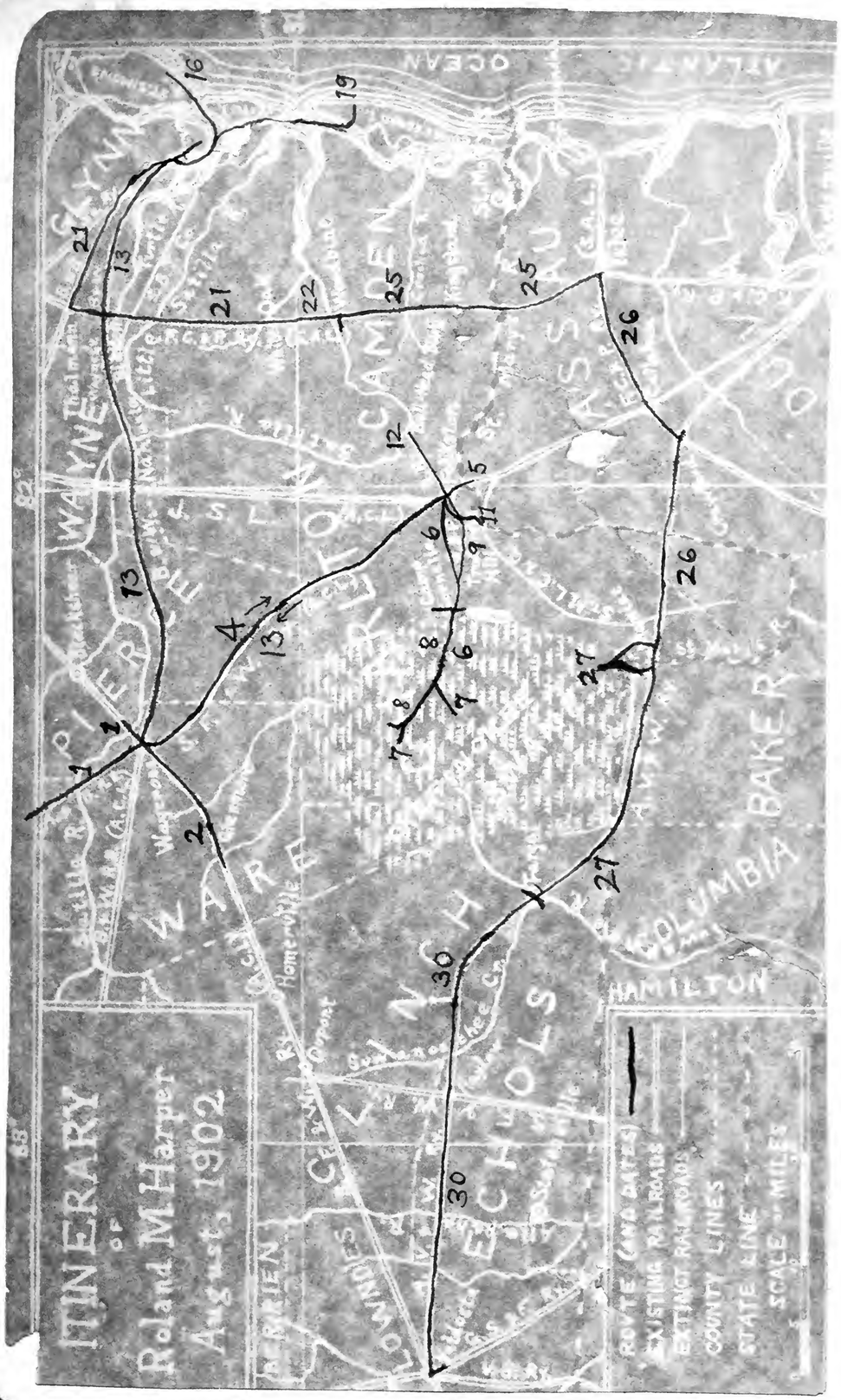

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AUGUST
1902

DAY OF MONTH	NUMBER	NAME OF PLANT.	HABITIT LOCALITY ETC.	APPROXIMATE ALTITUDE (FEET)
1	1464	Polanisia tenuifolia T. & G.	Open places near S. F. & W. Ry. on sand hills on E. side of Satilla River 3 miles from Waycross in Pierce Co. Perhaps introduced?	100
1	1465	Warea cuneifolia (Muhl.) Nutt	Do.	100
1	1466	Quercus myrtifolia Willd. A small tree, 6-10 ft. tall, with very numerous stout branches, fruiting abundantly. (Photo. no. 113)	Forming part of a very dense thicket on driest parts of same sand-hills, nearer the river than the preceding.	100
1	1467	Castanea pumila A shrub 6-8 ft. tall, with small thick leaves.	Do.	100
2	1468	Polygala sp. [illegible]	Rather dry pine-barrens near S. F. & W. Ry. about a mile southwest of Waycross, Ware Co.	145

AUG.	NUMBER			
2	1469	Pontederia cordata L.	Tar-marsh pond along C.O.R.R. Ry. about 4 mi. northwest of Wadesboro, Anson Co.	125
2	1470	Persea pubescens (Pursh) Sargent A shrub 5-6 ft. tall	Moist sphagnous pine-barrens about 1½ miles southwest of Stanmore, Anson Co.	125
2	1470a	Sphagnum Ludovicianum (C. & C.) Warnst.	Do.	125
7 (5 a.m.)	1471	Hydrocotyle umbellata L.	Sphagnous bog near Bugaboo Landing on the canal in Okefinokee Swamp, about 7 miles west of Camp Cornelia.	115
7 5:30 a.m.)	1472	Drosera intermedia Hayne	Do.	115

AUG.	NO.			
			Chefuncte - Swamp.	
7 (5:40 a.m.)	1473	Sagittaria	With the preceding	115
7	1473a	Sphagnum Fimbriatum angustilimbatum Warnst.	Do.	115
7 (7:10 a.m.)	1474	Eriophorum Virginicum L. 5 ft tall. Wool nearly white.	Sphagnous bog between Bugaboo Landing and Bugaboo Island, west of the canal.	115
7	1475	Pieris phillyreaefolia (Blook.) DC. An erect shrub 2-3 ft. tall	Do.	115
7	1476	Sarracenia minor Walt. Leaves and scapes 2-3 ft. tall	Do.	115

AUG.	NO.			
			Ok. vol. – [illegible] swamp	
7	1476a	Sphagnum Sudovicianum A. & B. Mont.	Nearer the island than the preceding, in drier places.	115
7	1477	Rhynchospora [illegible]	Do., close to edge of island.	115
7	1478	Sarracenia psittacina Mx.	In sphagnum nearer the landing, about the same place as no. 1476	115
7	1479	Pieris phillyreaefolia (Hook.) DC. Same as no. 1475, but climbing under bank of Taxodium imbricarium to a height of 20–30 ft.	On bank of canal near Chase Prairie, about 10 miles from camp Kountze.	120
7	1480	Scleria trichopoda C. Wright.	Very boggy place (not sphagnous) in edge of Chase Prairie.	115

Okefinokee Swamp.

AUG	NO			
7	1481	Utricularia juncea Vahl.	Growing thickly matted in dense colonies on rather firm soil (muck) in Chase Prairie, elevated an inch or so above the water. (Photo no. 136)	115
7	1481a	Sphagnum Portoricense Camps.	On Jackson Bay, at western edge of Chase Prairie, behind second camp, 11 miles from Camp Cornelia.	115
8	1481b	Leucobryum glaucum (L.) Schimp.	Do.	115
8	1482	Ilex Cassine L.	Do.	115
8	1482a	Hypnum ?	Do., on base of stem of Pieris nitida	115

AUG.	NO.			
8	1482b	Odontoschisma prostratum (Sw.) Trev.	Var. the preceding, on open (L. inundatum) knee.	115
8	1483	Ludwigia [illegible] Similar to L. captata, but with inflorescence elongated into an interrupted spike.	On west bank of canal, in Chase Prairie.	115
8	1484	Xyris Smalliana Nash. (Photo. 136)	On small prairie about 2 miles from Camp Cornelia. (last plant collected in the swamp)	115
8	1485	Panicum [illegible]	In small cypress pond (now dry) about ½ mile south of Camp Cornelia, Bl. [illegible]	115
8	1486	Paspalum [illegible]	Do	115

AUG	NC		Cheston County.	
'8	1487	Rhynchospora distans (Mx.) Vahl	In middle of rather dry sandy road in pine-barrens just south of camp Cornelia.	135
8	1488	Ludwigia capitata Mx.	Rather dry pine-barrens, near same place.	135
8	1489	Stenophyllus stenophyllus (Ell.) Britton	Dry sandy road near same place.	135
9	1410	Fuirena scirpoidea Mx.	Rather dry pine-barrens about 3 miles north of Camp Cornelia. Abundant but scattered.	135
9	1411	Lachnocaulon Beyrichianum	Same habitat and locality as the preceding.	135

AUG.	NO.		
9	1492	Asclepias tuberosa Sw.	Moist pine barrens along extinct Burnside Pensacola R.R. near mid-way between Stover camp Co. Asylia and Folkston, Charlton Co.
11	1493	Pentstemon carneus Pursh. Mostly fast flowering	Rather dry pine-barrens about ½ mile southwest of Folkston, near road to Trader's Hill.
11	1414	Eryngium Baldwinii Spreng.	Do.
11	1415	Juncus biflorus Ell. With pretty good rootstocks	Sand-hills between Folkston and Spanish Creek, along road to Trader's Hill.
11	1496	Eryngium aromaticum Baldw. Just beginning to flower.	Do.

AUG.	NO.		Hamilton County	
11	1417	Smilax **chrysophylla** (P.) Kunth	Sand hills near Spanish Creek, about 2 mile from Trader's Hill, Ohio no 4	80
11	1418	Aeschynomene **viscidula** Mx.	Along road through sand hills, between Brunswick & Pensacola R.R. and Trader's Hill. Perhaps not indigenous?	80
11 (11.45 a.m.)	1419	Helix [illegible]	Bank of St. Marys River, at foot of bluff at Traders Hill.	10
11	1500	Dichromena **colorata** (L.) A.S. Hitchcock ~~Stoloniferous~~	Do.	10
	1501½	Hypericum [illegible]		
11	1501	Hypericum **mutilifolium** Shrub about 4 ft. tall, with ~~thinner~~ and narrower ~~as~~ than typical mutilifolium	Do.	15

AUG	N			
11	1502	Hypericum galioides Lam.	With the preceding.	10
11	1503	Mimosa strigillosa T. & G.	Exposed places on river bank, perhaps introduced.	10
11	1504	Gaylussacia Floridana (Nutt.) Mogq.	In sandy cultivated field near Drake's Hill. Very abundant. (Photo. no. 4)	80
11 2:20 p.m.	1505	Dichromena Similar to no. 1506, but smaller, and densely and almost exclusively covering several square rods.	Moist open flat place in pine-barens near a tributary of Spanish Creek, along B. & P. R. R.	
12	1506	Melanthium dispersum Small. In full bloom.	Sphagnous bog along a branch near B. & P. R. R. about 2 miles east of Folkston, Charlton Co.	

AUG	No.		
			in the county.
12	1507	Habenaria integra (Nutt.) Spreng. Lip crenulate, not fringed.	With the preceding.
12	1508	Habenaria blephariglottis (Willd.) Torr	Do.
12	1508a	Sphagnum tenerum (Aust.) Warnst.	Do., toward lgs of bog.
12 (9 a.m.)	1509	Tillandsia tenuifolia L.	On living trunks of Acer rubrum and Nyssa biflora in swamp along B. & P. RR. about 3 miles from Folkston. (Photo no. 140)
12 (9:54 a.m.)	1510	Teucrium Nashii Kearney.	Low grounds in small swamp about 4 miles from Folkston.

AUG	NO		
			Martin County.
12 (9:56 a.m.)	1511	Eupatorium semiserratum DC.	With the preceding.
12	1512	Plantago sparsiflora Mx. ~~Like sparsiflora,~~ but with leaves thicker and more pubescent than usual	Rather dry pine barrens near Brunswick & Pensacola R. R. about 5 miles east of Folkston.
12	1513	Lippia nodiflora (L.) Mx.	Moist spots near some place.
12 (9	1514	Ambrosia psilostachya DC.	With no. 1512. Apparently indigenous.
12 (9	1515	Eriochloa longifolia Vasey.	With the preceding.

AUG	NO			
12	1516	Nama corymbosa (Macbride) Kuntze	Moist [illegible] 1 mi. [illegible] Charlton Co.	?
12 (3:50 p.m.)	1517	Elionurus tripsacoides H.B.K.	Moist pine-barrens about 8 miles from Folkston and 5 from Bull Head Bluff, Camden Co.	?
15	1518	Solanum sisymbriifolium ? Very prickly throughout, except flowers and fruit. Berries red.	Waste places near rosinswharves, Brunswick, Glynn Co. (Photo. no. 1475)	5
15 (9	1519	Solanum Resembles S. nigrum.	Do.	5
15 (9	1520	Euphorbia humistrata ? Growing in dense patches.	Do.	5

	AUG				
	15	1521	Flaveria trinervia (Spreng.) Mohr	With the preceding.	5
	15 8:30 a.m.	1522	Tribulus cistoides L.	do.	5
	15 8:35 a.m.	1523	Ipomoea filicaulis Blume Corolla yellow. Stems trailing.	do.	5
	15	1524	Sesuvium	do.	5
	15	1525	Heliotropium curassavicum L.	do.	5

A	AUG	N			
	15	1526	Heliotropium [illegible] L.	With the preceding	5
	15	1527	Artemisia	do.	5
	15	1528	Distichlis spicata (L.) Greene	Salt marsh on east side of Brunswick, near end of Gloucester St.	2 or 3
(9	15 (11:20 a.m.)	1529	Hallstroemia maxima (L.) T. & G.	Along edge of sidewalk on G St. near Castle St., Brunswick.	10
(9	16	1530	Argemone alba Lestib. (Photo. no. 151)	Waste places near the beach at Ocean Pier, St. Simon's Island, Glynn Co.	10

AUG	No.			
16	1530a	Phaca	On water flowing from artesian well near wing of hotel, St. Simon's Island.	10
16	1531	Smilax auriculata Walt.	On low trees just back of dunes, east shore of island.	10
16	1532	Juniperus (Bahamensis?)	Same place as the preceding.	10
16	1533	Paronychia Baldwinii (T. & G.) Chapm.	Same place, under trees, in dry sand.	10
16	1534	Polygonum maritimum L.	Drifting sands between dunes and beach. (Photo. no. 153)	5

AUG	No.			
16	1535	Chenopodium	Sand-b. s. r. east of Clean Sea, St. Simon's Island, Glynn Co. Perhaps introduced?	10
18	1536	Quercus A low shrub. Like no. 1457, but with leaves green both sides	Dry pine-barens near the railroad just west of Dock Junction, Glynn Co.	15
18	1536a	Polyporus gilvus Schw.	On dead branches of fallen hickory on bank of salt water creek about a mile beyond Dock Junction.	10
18	1536b	Polystictus parvulus Klotzsch	On the ground in woods near same place.	10
18 (6:15 p.m.)	1537	Pinus heterophylla (Not P. Elliottii Engelm.)	The prevailing tree in dry woods along the creek. (Photo. no. 50, 5:12 p.m.)	10

Camden County.

AUG	NO.			
19	1538	Rhynchospora Grayii Kunth	Dry pine-barrens on west side of Bumbo and island near High Point.	30
19 (11.20 a.m.)	1539	Bejaria racemosa Vent. Immature capsules very glutinous. (Photos. 51, 159)	In dry pine-barrens near dge of scrub thicket about ½ mile east of High Point landing, Bumbo Island. Very abundant.	31
19	1540	Quercus myrtifolia Willd.	In dense scrub thicket (Photo no. 150)	50
19 (9	1541	Pieris nitida (Bartr.) B.S.P.	Do.	36
19 (9	1541a	Dicranum Bonjeani De Not.	Do., on the sandy ground, about a mile from landing along the car track. (Photo 161)	36

AUG.	No.			
			Camden County.	
19	1542	Ludwigia Calyx lobes soon spread at spreading, finally deciduous. Style scarcely longer than the ovary	Meadow to the [illegible] and east [illegible] (Photo. no 164)	5
19	1543	Gerardia fasciculata Ell.	Intimately associated with the preceding.	5
19	1544	Fimbristylis	Drifting sands near the beach (Photo. no. 53)	5
19	1545	Spartina juncea (Willd.) Ell.	Do.	5
19	1546	Juncus dichotomus Ell. About 3 ft. tall, growing in large tufts.	Meadow between [illegible] (Photo. no. 54)	5

AUG	No.			
			...den vicinity.	
19	1547	Cyperus Nuttallii Eddy	With the preceding.	5
19	1548	Scirpus Americanus Pers.	Outer edge of dunes (Photo no. 165)	5
19	1549	Fimbristylis spadicea (L.) Vahl	Do. "	5
19	1550	Eleocharis	Wet sandy places on inner shore of island just above tide, near High Point Landing	6
21	1551	Spartina polystachya (Mx.) Ell. 8-10 ft. tall (Photo no. 56)	Brackish marshes of White Oak River near White Oak Star	6

Camden County.

AUG.	N.		
21	1552	Cyperus	[illegible]
21	1553	Lythrum lineare L.	Do.
22	1554	Ludwigia alata Ell.	Do.
22	1555	Cladium effusum (Sw.) Tor.	Do.
22	1556	Acnida [illegible]	Do.

AUG.	N			
22	1557	Scirpus robustus Pursh	With the [illegible]	
22	1558	Zizania aquatica L. culms 10 ft. tall, 1 in. thick at base, leaves 7 ft. long, 3 in. wide, panicle 4-5 ft. long.	Do.	
23	1559	Galactia Elliottii Nutt.	Rather dry bushy pine woods about ½ mile north of Colesburg.	15
23	1560	Elephantopus	Do.	15
23	1561	Spartina maritima	In mud at low water mark on right bank of Satilla River near Woodbine.	0

AUG.	NO.			
23	1562		Sw. [illegible] of ft creek [illegible]	0
23	1563	Polygonum aviculare L. Not yet in flower	Co.	
23	1564	Juncus Canadensis J. Gay.	Co.	
23	1565	Kosteletzkya Virginica (L.) Gray.	Co., in edge of blackjack marsh.	0
25	1566	Itea Virginica L.	In swamp of Little Catfish Creek, about a mile south of Kingfisher	15

AUG	AUG	NO		
23	25	1566a	Boletinus porosus (Berk.) Peck.	With the [illegible], in swamp [illegible]
2	25	1567	Mikania scandens (L.) Willd. Leaves somewhat fleshy, the basal lobes overlapping.	In swamp of St. Mary's River near R. R. bridge.
2	25	1568	Polygonum [illegible]	Do.
2	25	1569	Juniperus [illegible]	Do.
2	25	1570	Sagittaria lancifolia L. [illegible]	Do.

AUG.	N°			
25	1571	Gordonia lasianthus L.	In swamp of Ft. Mary's R., about ½ mile back from river.	5
25	1572	Rhexia Floridana Nash	Around small Typha filled pond about ½ mile south of Kingsland, Camden Co.	
26	1572a	Lentinus	On rotten log in Ft. Mary's River swamp near Moniac, Charlton Co.	1162
26	1573	Tillandsia tenuifolia L.	On living trunk of Typha Cypress on bank of St. Mary's River near Moniac.	
26	1574	Xyris Spikes dark, very acute.	Low sandy plains in river swamp.	

AUG	NO.		
26	1575	Panicum	With the preceding.
26	1575a	Boletus	On the ground, sandy) among dead leaves, &c. in [illegible]
26	1576	Xyris	Moist pine-barrens just outside of cedar swamp near Monroe.
27	1577	Quercus minima (Sarg.) Small	Rather dry pine-barrens about 1/2 a mile northwest of Pinetta's Mound.
27	1577a	Polyporus	On dead standing trunk of Pinus glabra about 1/2 mile north of Monroe

AUG.			Linn Co.
28	1577b	Sphagnum	Moist [illegible] bank of Calapooia River near [illegible] Creek [illegible].
28	1578	Rhexia. [illegible] Leaves and flowers mostly gone Roots tuberiferous	Muddy flats in river swamp near some [illegible]. (Alt. [illegible])
28	1579	Eupatorium With scaly rootstocks	Do.
28	1580	Eragrostis refracta (Muhl.) Scribn.	Sandy bank of river. Perhaps [illegible]
28	1580a	Odontoschisma prostratum (Sw.) Trevis.	On roots of old trees on bank of river.

AUG.	NO.		
29	1580 b	Archilejeunea clypeata (Schw.) Schiffn.	On smooth bark of trees in swamp of Hanover Canal on the north side of Sandy Run Creek about a mile west of Ocean Pond, Bak. Co.
		Frullania Donnellii Aust.	
29	1581	Carex sp.	Same place.
29	1582	Hamisia rugosa (Nutt.) Kuntze	Edge of swamp, a short distance west, Echols Co.
29	1582 a	Sphagnum Sinitense C. Muell.	Lying flat on the ground in muddy flats of Suwannee River swamp near Fargo, Clinch Co. (Same place as nos. 1579 & 1579 1)
29	1582 b	Hematophyllum adnatum (Mx.) E. G. Britton	On bark of Taxodium near same place, above high water mark.

AUG.	No.		
29	1582	Tillandsia Donnellii Aust. Archilejeunea conchifolia Evans	On smooth bark of small saplings of tree in swamp of [illegible] above Tango, Black Co.
29	1583	Asteria trichopoda C. Wright. Sheaths woolly virgate.	Moist shaded places in same swamp.
29	1584	Xyris neglecta Small	Do.
29	1585	Anastrophus paspaloides (Hx.) Nash	Do

(See next few pages)

Summary

Algae (Chara)		1
Fungi		6
Hepaticae		4
Musci	Sphagnum	7
	Other mosses	4
Spermatophytes		122
Total		144

Families represented by more than one genus.

	Genera	Species
Cyperaceae	12	20
Gramineae	8	14
Compositae	5	8
Fagaceae	2	5
Leguminosae	5	5
Ericaceae	2	4
Umbelliferae	2	3
Coniferae	2	3
Amarantaceae	2	2
Zygophyllaceae	2	2

Genera represented by more than one number. (Spermatophytes only)

Quercus	4	Aster	2
Ludwigia	4	Solidago	2
Xyris	4	Fimbristylis	2
Rhynchospora	3	Juncus	2
Scleria	3	Carex	2
Juncus	3	Scirpus	2
Polygonum	3	Rhexia	2
Spartina	3		
Pieris	3		
Sagittaria	2		
Sarracenia	2		
Panicum	2		
Eryngium	2		
Dichromena	2		
Hypericum	2		
Habenaria	2		
Tillandsia	2		
Eupatorium	2		

LIST OF SPECIES

SEEN IN

OKEFINOKEE SWAMP

AUGUST 6 — 8

NAME	HABITAT
Pallavicinia Lyellii	Banks of canal
Odontoschisma prostratum (Sw.) Evans	On cypress knee in Jackson Bay (no. 1482 b)
Sphagnum	Bog near Bugaboo Landing (no. 1473 a)
Sphagnum	somewhat drier bog near Bugaboo Island (no. 1476 a)
Sphagnum	Jackson Bay (no. 1481 a)
Leucobryum glaucum (L.) Schimp.	Jackson Bay (no. 1481 b)
Sphagnum	Jackson Bay (no. 1482 a)

Osmunda cinnamomea L.	[illegible]
Osmunda spectabilis Willd.	Along canal; rare.
Lorinseria areolata (L.) Presl.	Along canal, in shaded places.
Anchistea Virginica (L.) Presl.	Banks of canals Very abundant in sphagnum bogs between landing and island, the fronds [illegible] Jackson Bay
Pinus Elliottii Engelm.	In sphagnum bogs, where it is often the only tree over considerable areas, abundant all over Bugaboo Island and Bugaboo Island, not [illegible]
Pinus serotina Mx.	
Taxodium imbricarium (Nutt.) Blanco	Everywhere except in prairies and on islands. Dense forests of this species are the so-called [illegible]

Sagittaria	(illegible) inner.
Sagittaria	Bog near Bugaboo Landing (no. 1473)
Syntherisma sanguinale (L.) Nash	At old commissary at inner end of canal (introduced)
Panicum digitarioides Carpenter	Everywhere along canal, abundant. Chase Prairie and Jackson Bay.
Dulichium arundinaceum (L.) Britton	Banks of canal. Bogs between Bugaboo Landing (illegible)
Eleocharis elongata Chapm.	In canal, mostly (illegible)
Eriophorum Virginicum L.	Sphagnous bog between Bugaboo Landing and Bugaboo Island (no. 1474)
Rhynchospora corniculata (Lam.) Gray	Frequent along canal Chase Prairie, also in small prairie 3 or 4 miles from camp (illegible)

Rhynchospora	Sphagnous bog near Bugaboo Island (no. 1477)
Scleria trichopoda C. Wright	Chase Prairie (no. 1480)
Serenoa serrulata (Hr.) B.	Abundant all over Bugaboo Island, and extending a short distance into the surrounding sphagnum bogs
Peltandra sagittaefolia (Mx.) Morong	Bog near Bugaboo Landing, about half way to the
Peltandra Virginica (L.) Kunth	Between landing and island (rare). Chase Prairie and Jackson Bay.
Orontium aquaticum L.	Frequent along canal Chase Prairie
Xyris fimbriata Ell.	Along canal Jackson Bay
Xyris	In small prairie about 3 miles west of Camp Cornelia (no. 1484)

Eriocaulon compressum Lam.	Chase Prairie Jackson Bay.
Dupatya flavidula (H. B. K.) Merr.	Chase Prairie
Tillandsia usneoides L.	On almost every tree in the
Pontederia cordata L.	Chase Prairie
Smilax laurifolia L.	Climbing trees in timber [illegible] very common.
Gyrotheca tinctoria (Walt.) Sal.	Along canal. Chase Prairie. } Not common.
Limodorum tuberosum L.	Between Bugaboo Landing and Bugaboo Island,

Quercus minima (Sarg.) Small	Bugaboo Island
Chenopodium	Bugaboo Landing (introduced)
Bastalia	Chase Prairie
Magnolia glauca L.	Border of Chase Prairie Jackson Bay.
Persea pubescens (Pursh) Sarg.	Swamps of canal. Jackson Bay Bogs between Bugaboo Landing and [illegible]
Sarracenia minor Walt. Leaves and scapes 24–44 inches tall.	Frequent along canal Bog near Bugaboo Landing Near Bugaboo Island (no. 1476) Chase Prairie and Jackson Bay.
Sarracenia psittacina Mx. Considerably larger than usual.	Bog near Bugaboo Island (no 1478)

Drosera intermedia Hayne	Bog near Bugaboo Landing (no. 147)
Drosera	Chase Prairie
Itea Virginica L.	Border of Chase Prairie. Ditch. Bogs between Bugaboo Landing and Bugaboo Creek
Aronia arbutifolia (L.) Ell.	Banks of canal at
Galactia Elliottii Nutt.	Indian mound on Bugaboo Island, perhaps introduced.
Rhus radicans L.	Border of Chase Prairie. Jackson Bay.
Cyrilla racemiflora L.	Along canal. Jackson Bay.
Ilex Cassine L.	Along canal Jackson Bay (no. 1782)

Ilex glabra (L.) A. Gr.	Bogs between Bugaboo Landing and Bugaboo Island, [illegible]
Ilex lucida (Mill.) T. & G.	Along canal
Acer rubrum	Along canal, on wooded [illegible]
Vitis rotundifolia var. (Cultivated scuppernong reverting to the wild state)	Banks of canal. Artificially introduced, from seeds thrown out from boats. Frequent.
Gordonia Lasianthus (L.) Ell.	Banks of canal
Triadenum Virginicum (L.) Raf.	Bog near Bugaboo Landing Chase Prairie. Banks of [illegible]
Decodon verticillatus (L.) Ell.	Banks of canal Bog near Bugaboo [illegible]
Ludwigia A form of L. capitata with very loose elongated inflorescence	Bank of canal, Chase Prairie [illegible]

Myriophyllum laxum Shuttl.	Seen only in the canal. But doubtless grows in the prairies.
Hydrocotyle umbellata L.	Dog near Bugaboo Landing (no. 1471)
Nyssa biflora Walt.	Dense swamp near commissary, at end of canal.
Clethra	Banks of canal
Kalmia hirsuta Walt.	Bugaboo Island.
Leucothoe	Bogs between landing and island.
Pieris nitida (Bartr.) B. & H.	Bogs between landing and Bugaboo Island Jasper Co.

Pieris phillyreaefolia (Hook.) DC.	Bog near Bugaboo Landing " " " Island (no. 1475) Near canal at edge of Chase Prairie, climbing high on Taxodium imbricarium (no. 1479) Jackson Bay
Xolisma About knee high.	Bugaboo Island.
Gaylussacia dumosa (Andr.) T. & G.	Bugaboo Island.
Gaylussacia [illegible]	Bugaboo Island.
Vaccinium nitidum Andr.	Bugaboo Island
Limnanthemum aquaticum (Walt.) Britton	Dr canal Chase Prairie

Cuscuta compacta Juss.	On shrubs along canal.
Gerardia linifolia Nutt.	Western edge of Chase Prairie, near camp no. 2.
Utricularia juncea Vahl.	Chase Prairie (no. 1481)
Utricularia purpurea Walt.	Chase Prairie
Cephalanthus occidentalis L.	Border of Chase Prairie
Eupatorium capillifolium (Lam.) Small.	Luxuriant on banks of canal (Doubtless introduced).
Chrysopsis graminifolia (Mx.) Nutt.	Indian mound on Bugaboo Island (Perhaps introduced).
Erechthites hieracifolia (L.) Raf.	Banks of canal at commissary and elsewhere (Probably introduced).

Summary of the preceding list.

[illegible]	2
Musci	5
Filices	4
Coniferae	3
Amentaceae	2
Geraniaceae	2
Leguminosae	6
Palmaceae	1
Aroideae	3
Cupuliferae	2
Convolvulaceae	2
Labiatae	1
Scrophulariaceae	1
Bignoniaceae	1
Compositae	1
Amaryllideae	1
Gramineae	1
Chenopodiaceae	1
Euphorbiaceae	1
Magnoliaceae	1
Lauraceae	1
Sarraceniaceae	2
Ericaceae	2
Saxifragaceae	1

Pyraceae	1
Leguminosae	1
Anacardiaceae	1
Cyrillaceae	1
Ericaceae	3
Aceraceae	1
Vitaceae	1
Theaceae	1
Hypericaceae	1
Lythraceae	1
Onagraceae	1
Boraginaceae	1
Umbelliferae	1
Cornaceae	1
Clethraceae	1
Ericaceae	5
Vacciniaceae	3
Gentianaceae	1
Cuscutaceae	1
Scrophulariaceae	1
Lentibulariaceae	2
Rubiaceae	1
Compositae	3
Total	81

ECONOMIC PLANTS

AND

COMMON NAMES,

An incomplete list of the plants known and used by the inhabitants of the Okefinokee Swamp region.

Information obtained mostly in the vicinity of Folkston, Camp Cornelia and Moniac.

TECHNICAL NAME.	COMMON NAME, AND USE, IF ANY.
Panicum [illegible]	[illegible]
" [illegible]	[illegible]
" distichum (L.) Richard.	Not sufficiently [illegible] to be of much importance.
	At White Oak a hollow [illegible] was seen in [illegible] a small water trough.
Paspalum imbricatum (Walt.) Harper.	"Cypress". An important timber tree. Considerable quantities [illegible] taken out of Okefinokee [illegible].
Digitaria [illegible]	[illegible]
	[illegible] in Okefinokee.
Aristida stricta	"Wire-grass". Some of the [illegible] made into matting.
Eriophorum Virginicum L.	"Indian Cotton".
Stenophyllus Floridanus (Britton).	"Wire-grass". [illegible] cultivated fields.
Serenoa serrulata (Hr.) B. & H.	Palmetto - sometimes "Cabbage Palm".

[illegible] and
probably also P. Virginiana
Arontium aquaticum
Xyris (any species with large compact heads)

Eriocaulon decangulare.

[illegible]

Fuirena squarrosa

Quercus Catesbaei "Black-jack".
" cinerea "Turkey Oak".
" digitata "Red Oak".
" Virginiana "Live Oak".

Hudsonia Floridana "Poor-land weed".

Magnolia glauca

Pinus pubescens

Quercus Virginiana

Galactia Elliottii

Polygala ramosa

Ilex Cassine

"Br. "

"D "

"[illegible]'s about ½": The [illegible] the seeds out thro [illegible] to stem or [illegible] so as [illegible] the stuff from [illegible].

"[illegible]"

Transcribed parts.

[illegible] to yield a yellow dye.

"Dasycna"
{"Henderson Wood"} These are considered distinct species, but apparently the only character by which the natives use to separate the "Henderson Wood" are the [illegible] and the different sizes simply correspond to different ages

Lida frondifolia

"Bay." [illegible]

Gordonia Lasianthus

"Bay." [illegible]

Triadenum Virginicum

"St. Andrew's Wort". (Found only in Okefinokee Swamp). The origin of this name is a mystery. It seems scarcely credible that these uneducated people should know that this plant belongs to the same family as "St. John's wort," "St. Peter's wort," etc.

Rhexia glabella	"Deer-grass".
Nyssa Ogeche	"Sour gum". Fruit sour + [illegible]
Kalmia hirsuta	"Calico blossom".
Gaylussacia dumosa	"Rough-coats". (Doubtless in allusion to the hirsuta berry).
Pieris nitida	"Shoo-rah" (This spelling phonetic)
Cephalanthus occidentalis	"Button-bush"
Sambucus Canadensis.	"Elder". Fruit said to be used in [illegible]
Chrysopsis graminifolia	"Golden-grass".

51

Trees
Evergreens (conifers)

Deciduous

Shrubs
Evergreen

Pinus Echinata
" strobus
" virginiana imbricarium
" taeda
" rigida

Juniperus virginiana
Magnolia grandiflora
Pinus pungens
Abies Canadensis
" fraseri
" picea
Thuya occidentalis
Chamaecyparis
Tsuga
Picea

" Philippaefolia
Kalmia
Gaylussacia dumosa
"
Vaccinium stamineum

Shrubs (continued)
Deciduous

Palms, acaulescent

Woody vines, climbing by
Rootlets

Tendrils

Creeping under bark of Taxodium

Rhus radicans

Smilax laurifolia

Pieris phillyreaefolia

Feb 1e

Parasitic

Epiphytic

Free floating

Attached to the
[illegible]
[illegible] floating leaves

Castalia
Limnanthemum aquaticum

Ble.

LIST OF PLANTS

OBSERVED IN AND NEAR

OKEFINOKEE SWAMP, GEORGIA

IN THE COUNTIES OF

WARE, PIERCE, WAYNE, GLYNN,

CAMDEN, CHARLTON, CLINCH,

ECHOLS AND LOWNDES

IN AUGUST, 1902,

BY

ROLAND M. HARPER.

ALGAE

Chara	In pool of fresh water around artesian well, Ft. Simons I. (1530a)

FUNGI.

Polystictus parvulus Klotzsch.	On the ground in dry woods near Dock Junction, Glynn Co. (1536b)
Polyporus [illegible]	On dead Pinus palustris near Moniac, Charlton Co. (1577a)
Polyporus gilvus Schw.	On dead Elicoria near Dock Junction, Glynn Co. (1536a)
Boletus [illegible]	In St. Mary's River swamp near Moniac, Charlton Co. (1575a)
Boletinus porosus (Berk.) Peck	On rotten logs in swamp of Little Satilla Creek, Camden Co. (1566a)
Lentinus	On rotten logs in St. Mary's River swamp near Moniac, Charlton Co. (1572a)

HEPATICAE

Pallavicinia Lyellii (Hook.) S. F. Gray	On the ground in swamp of Cattle Catfish Creek, [illegible]
Odontoschisma prostratum (Sw.) Trevis	Jackson Bay, Okefinokee Swamp. (1482b) Bank of Suwannee River (1580a)
Archilejunea clypeata (Schw.) Schiffn.	Swamp of Suwanoochee Creek, Echols Co. (1580b)
" conchifolia Evans	Swamp of Suwannee River, Clinch Co. (1582c, in part)
Frullania Donnellii Aust.	Intimately associated with the two preceding (1580b, 1582c).

MUSCI.

Sphagnum Ludovicianum (R. & C.) Warnst.	Near Glenmore, Ware Co. (1470a) Okefinokee Swamp, near Bugaboo I. (1476a)
" Portoricense Hampe	Okefinokee Swamp, Jackson Bay [illegible]
" tenerum (Aust.) Warnst.	Bog east of Folkston (1503a)

Sphagnum Finitense C. Müll.	Suwannee River swamp near Fargo, Clinch Co. (1582a)
" "	Bog near Bugaboo Landing, Okefinokee Swamp (1473a)
"	Sandy bank of Suwannee River near Fargo, Clinch Co. (1577b)
Dicranum Bonjeani De Not.	On the ground in scrub thicket, Cumberland Island, (1541a)
Leucobryum glaucum (L.) Schimp.	Okefinokee Swamp, Jackson Bay (1481b)
Hematophyllum adnatum (Hx.) E. G. Britton	On bark of Taxodium, Suwannee River swamp near Fargo (1582b)
Hypnum	Okefinokee Swamp, Jackson Bay (1481a)

PTERIDOPHYTA

OSMUNDACEAE.

Osmunda cinnamomea L.

In swamps. Camden: Near Woodbine; along Little Satilla & St. Marys River.
Charlton: Near Folkston; Okefinoke Swamp.

Osmunda spectabilis Willd.

Camden:- Swamps of Satilla and St. Marys Rivers and Big Satilla Creek.
Charlton: Near Folkston; Okefinoke Swamp.

POLYPODIACEAE

Lorinseria areolata (L.) Presl.
(Woodwardia areolata (L.) Moore)

Shaded swamps. Camden: West of Woodbine; Little Satilla Creek.
Charlton: Near Folkston; Okefinoke Swamp.

Anchistea Virginica (L.) Presl.
(Woodwardia Virginica (L.) J.E. Smith)

Wet pine-barrens and non-alluvial swamps, common throughout, except immediately along the coast.
Ware, Pierce, Glynn, Camden, Charlton, Clinch, Echols, Lowndes. Particularly abundant in portions of Okefinokee Swamp.

Athyrium Filix-femina (L.) Roth

Camden: Wet woods around spring south of Kingsland.
Charlton: Bluff at Traders Hill.

Pteridium aquilinum

Dry pine-barrens and sand-hills.
Pierce: along the R.R. Glynn:
near Dock Junction. Camden: Woodbine.
Charlton: Folkston; Ridge near Camp Cornelia.

Polypodium polypodioides (L.) Hitchcock

Camden: Cumberland Island; St. Marys R. swamp
Charlton: Swamps west of Folkston

LYCOPODIACEAE.

Lycopodium alopecuroides L.

Moist pine-barrens.
Ware, Camden, Charlton, Glynn

" Chapmani Underw.
(L. alopecuroides adpressum Chapm.)

Charlton: Moist sandy places just south of Folkston.

Lycopodium Carolinianum L.

Charlton:— Moist pine-barrens between Folkston and Camp Cornelia; Bog east of Folkston.

" pinnatum Chapm. L.V.

Ware: Moist pine-barrens between Waycross and Satilla R.; Rather dry pine-barrens just west of Waycross

GYMNOSPERMAE

Pinus Elliottii Engelm.

common throughout in low pine-barrens. Seen in every county. Extends eastward to Cumberland Island, nearly to Brunswick, and perhaps on Jekyl Island. Forms exclusive forests in sphagnous bogs of Okefinokee Swamp, and occurs similarly in sphagnous swamps of St Marys River south of Kingsland.

Pinus palustris Mill.

Common throughout in dry pine-barrens. Seen in every county, but not in Okefinokee Swamp or in any maritime association. Extends eastward to Cumberland Island (High Point) and to within 7 or 8 miles of Brunswick.

Pinus serotina Mx.

Moist pine-barrens and sandy swamps. Seen in every county except Echols, but nowhere common, except near Glenmore. Extends east to about Dock Junction. Occurs sparingly on Bugaboo Island in Okefinokee Swamp.

Pinus [illegible]

Pinus [illegible]

Taxodium distichum (L.) Richard

Camden: [illegible] White Oak.
Charlton: Bluff at Traders Hill.
Clinch: along Suwannee River and Suwanoochee Creek near Fargo.

Glynn: Fly woods near Dock Jc. (1537); also between Cartier and Halmann.
Camden: along Satilla River near Woodbine; and a small creek north of Colesburg.
Charlton: near Spanish Creek; along [illegible] of Traders Hill.

Glynn: Swamps along railroad from Halmann southward.
Camden: Along Satilla River at Bull Head Bluff and Woodbine; Big Catfish Creek; St. Mary's River; Swamps near Glencoe and White Oak.
Charlton: Along St. Mary's River near Folkston, Traders Hill and Moniac; swamps between Folkston and Bull Head Bluff.
Clinch: On and along Suwannee River near Fargo.

Taxodium imbricarium (Nutt.) Harper — Common throughout in wet pine-barens, ponds, etc. Rare in every county. Particularly abundant in Okefinokee Swamp. In Satilla River as far down as Waycross. Extends east to just beyond Dock Junction.

Juniperus

Glynn: Among the dunes on St. Simon's Island (1532)

Camden: St. Mary's River swamp (1568)

ANGIOSPERMAE

MONOCOTYLEDONES

TYPHACEAE

Typha latifolia L. — Fresh marshes.
Glynn: Between Dock Jc. and Cartier
Camden: Swamps of White Oak and Satilla Rivers
Lowndes: Ten miles east of Valdosta
Ware: Cypress pond about 3 miles southwest of Waycross.
Camden: Wet woods near cool spring south of Kingsland

NAIADACEAE

Potamogeton diversifolius Raf. — Camden: Swamps and marshes of White Oak, Satilla & St. Mary's (1570) Rivers
Charlton: Along river at Traders Hill (6 ft. tall)

"

ALISMACEAE

Sagittaria lancifolia L.

Sagittaria latifolia Willd.

Camden: Edge of Satilla River marshes at Woodbine.
Okefinokee Swamp. Ware
Ware: Wet places in railroad right-of-way between Waycross and Okefinokee Swamp; Log to Burgabo Landing. (1473)

Sagittaria Mohrii J. G. Smith

Sagittaria

HYDROCHARIDACEAE

Limnobium Spongia Richard.

_____: Pools near railroad south of Folkston and Kingsland. Perhaps not indigenous.

GRAMINEAE

Manisuris rugosa (Nutt.) Kuntze.

Charlton: Moist pine barrens about 5 miles east and west of Folkston; Between Cutter and Moniac.
Echols: Edge of swamp of Suwanoochee Creek (1582); Near Howell.
Camden: Moist pine-barrens west of Bull Head Bluff (1517)
Lowndes: Pine-barrens east of Valdosta.

Elionurus tripsacoides H.B.K.

Andropogon tener Kunth.

Ware: Along railroads near Waycross. Introduced

Anastrophus compressus (Sw.) Schlecht.

" paspaloides (Mx.) Nash

Ware: Moist pine-barrens between Waycross & river
Charlton: River swamp near Moniac
Pelinch " " " Fargo (1585)
Lowndes: Valdosta.

Paspalum distichum L.

" Boscianum Flügge

" setaceum Mx.

Paspalum

Syntherisma sanguinale (L.) Hosh

Panicum digitarioides Carpenter

Panicum

" barbulatum Mx.

" gibbum Ell.

" scabriusculum Ell.

Glynn: Around artesian well, St. Simon's I.
Charlton: Ditch along inland south of Folkston.
Camden: Cornfield west of Bull Head Bluff

Low. gr.: Low grounds, Valdosta.

Charlton: Shallow cypress pond near Camp Cornelia (1486)

A common weed, found even in the middle of Okefinokee Swamp, along the canal.
Brunswick, Traders Hill, Valdosta, etc.

Ware: Pine-barren ponds near Okemore
Charlton: West of Cutlea.
All along canal in Okefinokee Swamp, also in prairies and bays.
Lowndes: Cypress ponds, Valdosta, and eastward
Glynn: Dry pine-barrens near Dock Jc.

Camden: Damp woods, White Oak.

Camden: Along Little Catfish Creek.

Swamps. Ware: Near Ruskin
Charlton: First Taxodium distichum swamp east of Folkston

Panicum stenodes Griseb.

Panicum virgatum L.

Panicum

Panicum

Panicum

Panicum

Cenchrus

Echinochloa colona (L.) Link.

Eriochloa longifolia Vasey.

Oplismenus setarius (Lam.) R.&S.

Zizania aquatica L.

{Ware: Cypress ponds near Waycross and Okenmore
Charlton: " " north of Camp Cornelia county.
Spanish Creek flats.
Dry pine-barens, Cumberland Island. Ga.

{Camden: Wet woods near spring
south of Kingsland.
Camden; Satilla River swamp near Woodbine Ga.

{Charlton: Shallow cypress pond
south of Camp Cornelia (1485) Ga.
Charlton: River swamp near Moniac (1575)

{Tweed: Waycross, Brunswick
and Camp Cornelia
Among wharves, Brunswick.

{Camden: Moist pine-barens west
of Bull Head Bluff.
Charlton: A few miles farther west (1515)
{Glynn: Dry thicket back of dunes,
St. Simon's Island.
{Camden: Rich woods near cool
spring south of Kingsland.
{Camden; Brackish marshes of White
Oak River (1558) and Big Catfish Cr.

Aristida palustris (Chapm.) Vasey

Aristida spiciformis Ell.

Aristida stricta Mx.

Sporobolus Indicus (L.) R. Br.

" gracilis (Trin.) Merrill

Capriola Dactylon (L.) Kuntze

Spartina juncea Mx. Ell.

Spartina maritima

{ Shallow pine-barren ponds
Ware: Near Beach, in northern part of county.
Charlton (?): Northwest of Elliotts Mound.

{ Flat or rather dry pine-barrens.
Ware, Pierce, Camden, Charlton,
Glinch, Echols, Lowndes.

{ Dry pine-barrens, wherever these occur.
Pierce: Vicinity of Ft. Mudge.
Glynn: " " Dock Junction
Camden: South of Kingsland
Charlton: On ridge near Camp Cornelia.
Streets of Brunswick, etc.

{ Dry or rather dry pine-barrens.
Camden: Cumberland Island
Glinch: Near Fargo.

{ A weed, sometimes escaped from cultivation.
Glynn: Brunswick; St. Simon's Island
Glinch: Fargo. Echols: Mayday.

{ Drifting sands near the beach,
Cumberland Island. (1545)

{ Glynn: Salt marshes on St. Simon's
Island, and near Brunswick and
Dock Junction.
Camden: On Satilla River at Woodbine;
a remarkably slender form (1561)

Spartina polystachya (Mx.) Ell.

Camplosus aromaticus (Walt) Aus

Eleusine Indica (L.) Gaertn.

Dactyloctenium Aegyptium (L.) Rich

Leptochloa ambigua (Ell.) Kuntze.

Eragrostis simplex Scribn.

Eragrostis refracta (Muhl) Scribn.

Uniola paniculata L.

" Laxa (L.) B.S.P.

Distichlis spicata (L.) Greene

{ Camden: Brackish marshes of White Oak (1551) and Petilla River and Big Catfish Creek.

{ Moist or rather dry pine-barrens. Ware, Glynn, Camden, Charlton, Clinch, Lowndes. In Charlton occurs also in the Rhexia glabella flats. Not seen farther east than S. A. L.

{ A weed. White Oak and Folkston, around dwellings.

A weed of sandy cultivated fields. Traders Hill, Valdosta, etc.

{ Charlton: Rhexia glabella flats of St. Marys River and Spanish Creek. Between Folkston and Bull Head Bluff.

{ Along railroads, especially between the rails. Common. Noted near Waycross, Kingsland and Monis; Sandy bank of Suwannee River (1580)

{ On dunes. South end of Jekyl Island and north end of Cumberland.

{ Camden: Swamp of Little Catfish Creek
{ Charlton: " " St. Marys R. near Moniac
{ Echols: " " Suwanoochee Creek.

{ Glynn: Salt marshes, Brunswick (1528
{ Camden: Inner shore of Cumberland &

CYPERACEAE

Lipocarpha maculata (Mx.) Torr.

Cyperus compressus L.

" filiculmis Vahl.

" flavescens L.

" Haspan L.

" Iria L.

" praelongatus Steud.

" Nuttallii Eddy

" rotundus L.

" squarrosus L.

" virens Mx.

Low grounds, perhaps introduced
Charlton: Between Folkston and Kingsland.
Lowndes: South of Valdosta.
A weed. White Oak, Moniac, Fargo.

Meadow near beach, Cumberland Island.

Dry pine-barrens and sand hills.
Glynn: Near Dock junction.
Charlton: Near Folkston, and on ridge near Camp Cornelia.
Around artesian well, St. Simons Island.
Camden: Brackish marshes of White Oak R.
Charlton: Moist sand south of Folkston
Echols: Near Suwanoochee Creek.
Lowndes: Valdosta, and southward.
In cultivated ground, White Oak (rare)

Brackish marshes of White Oak River (1552)

Meadow near beach, Cumberland I. (1552)

Streets of Brunswick

A weed. Moniac and Fargo.

Brackish marshes of White Oak River.

Dulichium arundinaceum (L.) Britton

Eleocharis baldwinii (Torr.) Chapm.

Eleocharis elongata Chapm.

" interstincta (Vahl) R. & S.

" melanocarpa (Baldw.) Torr.

" tuberculosa (Mx.) R. & S.

Eleocharis

Dichromena colorata (L.) Hitchcock.

" "

A slender form or perhaps distinct sp.

Charlton: Moist sandy places south of Folkston, between Moniac and Race rds. and northwest of Ellicott Grand. Also in Okefinokee Swamp.

Rather dry pine-barrens, especially abundant along paths and unfrequented roads. Ware, Glynn, Camden, 2 ", Echols. Extends east to within 10 miles of Brunswick.

In canal, Okefinokee Swamp.

Camden: Shallow pond south of
Lowndes: " " " " Valdosta
Charlton: Sand-hill pond southwest of Folkston
Moist pine-barrens and ditches.
Ware: Between Waycross and Ruskin.
Camden: " Colesburg " Seals.
Charlton: Along R.R. south of Folkston.

Camden: Inner shore of Cumberland I. (1550); Brackish marshes of W. Oak R.
Camden: Meadow on Cumberland; White Oak marshes.
Charlton: Along River at [illegible] Hill (1500)
" Flats near Spanish Creek (1505)

Dichromena latifolia Baldw.

Moist and usually flat pine-barens.
Ware: frequent.
Camden: Between Kingsland & St. Mary's R.
Charlton: Okefin glabella flats, etc.
Glynn: Dry pine-barens between Brunswick and Dock junction.

Stenophyllus ciliatifolius (Ell.) Britton ?

" floridanus Britton.

Strictly ruderal, but always in dry sand (Columbia formation).
Ware: Near Ruskin.
Charlton: Folkston, Traders Hill, Moniac, etc.
Clinch: Fargo.
Echols: Howell; and abundant in a field about 2 miles farther west.
Lowndes: Near Blanton; Valdosta.
Not observed in the maritime counties.

" stenophyllus (Ell.) Britton

Habitat similar to the preceding
Glynn: Brunswick, and along railroads 3-4 and 9-10 miles west.
Camden: Between rails, on track between Woodbine and Colesburg.
Charlton: Vicinity of Camp Cornelia, Traders Hill and Moniac.
Clinch: Fargo and vicinity.
Always appears as if introduced.

Fimbristylis autumnalis (L.) R. & S. — Low grounds, ponds, ditches, etc.
Camden: Excicated ponds south of Kingsland.
Charlton: West of Spanish Creek: Along river at Traders Hill.
Lowndes; South of Valdosta.

" puberula (Mx.) Vahl. — Dry or rather dry pine-barrens.
Ware: Just southwest of Waycross.
Charlton: Folkston, and westward to ridge; Near Moniac.

" spadicea (L.) Vahl. — Glynn: Borders of small salt marsh just west of Brunswick.
Camden: Outer edge of dunes, Cumberland (1549)

" — Camden: Drifting sands near beach, Cumberland Island (1544)

Scirpus Americanus Pers. — Outer edge of dunes, Cumberland I. (1548)

" Eriophorum Mx. — Ditches and swamps, especially in clearings.
Ware: Near Glenmore.
Glynn: South of S.B.T. Crossing (indigenous)
Camden: Satilla River swamp near Woodbine.
Charlton: Abundant in great ditch at Camp Cornelia; Taxodium distichum swamp northeast of Folkston.
Lowndes: East of Blanton; South of Valdosta.

" lacustris L. — On Satilla River at Woodbine, growing in edge of water and bathed by the tides; very tall. (Photo. 59)

Scirpus robustus Pursh		Brackish marshes of White Oak River (1557)
Eriophorum Virginicum L.		Sphagnous bogs, Okefenokee Swamp (1474)
Fuirena breviseta Coville.		Moist places along railroad south of Valdosta.
"		Moist pine-barrens. Ware: Between Waycross and Satilla River. Lowndes: Valdosta
"	scirpoidea Mx.	Ditches along railroads near Folkston & Valdosta. Rather dry pine-barrens north and east of Camp Cornelia.
Rhynchospora axillaris	(Lam.) Britton	Moist pine-barrens and pond-margins. Ware: Between Waycross and Ruskin. Camden: Woodbine Charlton: West of Spanish Creek; Northwest of Alcotts Mound. Echols: Near Suwanoochee Creek. Lowndes: Valdosta.
"	Baldwinii Gray.	Ware: Moist pine-barrens between Waycross and Satilla River. Charlton: Rhexia glabella flats along St. Mary's River south of Folkston.
"	caduca Ell.	Clinch: Low woods near Suwanoochee Cr.
"	Chapmanii, M.A. Curtis.	Ware: Moist pine-barrens near Ruskin.

Rhynchospora ciliaris (Mx.) Mohr — Moist or rather dry pine-barrens.
Ware: Between Waycross and Ruskin.
Charlton: Near Folkston, and westward

" corniculata (Lam.) Gray. — Wet pine-barrens, ponds and swamps.
Ware: North edge of county. Very abundant between Waycross and Glenmore. Southeast of Waycross.
Charlton: Taxodium distichum swamp northeast of Folkston; Vicinity of Ellicott's Mound; Okefinokee Swamp.
Clinch: Near Argo, and westward along railroad.

" distans (Mx.) Vahl. — Charlton: Rather dry sandy road [illegible] Camp Cornelia (1487)
Clinch: Rather dry pine-barens near Argo.

" fascicularis (Mx.) Vahl. — Charlton: Okefinokee Swamp (1477)
Camden: Sphagnous swamp of St. Mary's R.

" filifolia Torr. — Charlton: Cypress pond south of Camp Cornelia

" glomerata paniculata (Gray) Chapm. — Lowndes: Low grounds south of Valdosta.

" Grayii Kunth

" inexpansa (Mx.) Vahl. — Pierce: Sand-hills of Satilla River
Camden: Cumberland Island (1538)
Glynn: Moist places, near Bartier and Shalmann.

Rhynchospora

" semiplumosa Ell.

Cladium effusum Sw. Torr.

Scleria Baldwinii Torr.

" gracilis Ell.

" hirtella Sw.

Camden: Swamps of Satilla and St. Mary's Rivers and Little Catfish Cr.

Charlton: Rhexia glabella flats along Spanish Cr.

Brackish marshes and moist pine-barrens (in the Satilla usually sterile)
Glynn: Near Dock Junction
Camden: Pine-barrens west of Bull Head Bluff; Between Woodbine and Colesburg; Marshes of the three rivers (Luxuriant)
Charlton: Various points east of Folkston.

In and around cypress ponds.
Ware: Between Waycross and Ruskin
Charlton: South of Camp Cornelia Northwest and east of Ellicott's [illegible]
Not seen east of Okefinokee Ridge.

Charlton: Rhexia glabella flats of St. Mary's River and Spanish Cr. Cypress pond south of Camp Cornelia.

Charlton: Rhexia glabella flats of St. Mary's River and Spanish Creek; 4 or 5 station between " " and Camp Cornelia (1492), in moist pine-barrens.

Scleria trichopoda B. Wright.

"

"

Carex

"

PALMAE

Sabal glabra (Mill.) Sarg.
(S. Adansonii Guerns.)

Sabal Palmetto

Okefinokee Swamp: Chase Prairie (1480)
Clinch: Suwannee River swamp (1583)
Lowndes: Moist pine-barens,
Not seen east of Okefinokee Ridge.
Lowndes: Moist pine-barens, Valdosta.

Charlton: Sand-hills southwest of Folkston.

Camden: Swamp of Little Catfish Creek.

Moist pine-barens and swamps.
Ware: Between Waycross and Ruskin
Charlton: Vicinity of Folkston, especially
about 5 miles northeast; Near Moniac.
Echols: Swamp of Suwanoochee Creek (1581)

Glynn: Woods west of Dock Junction
Camden: " between Woodbine and Satilla R.
Swamp " " " Colesburg.
St. Mary's River swamp (abundant)
Charlton: " " " bank at Traders Hill
Glynn: Borders of salt marshes near
Brunswick; Marshes and pine-barens
along B. & B. R.R. from 13th mile-post to
Thalmann; Abundant (tall and slender)
in pine-barens around Thalmann
and southward to S.B.T. Crossing

Serenoa serrulata (Mx.)
(Sabal repens Bartr.)

Common throughout, from the dunes of the sea-coast westward, from swamps to pine-barrens & the driest sand-hills. Seen in every county. Completely covers Bugaboo Island in Okefinokee Swamp. But absent from many places which seem perf. adapted to it. Very rarely fruiting.

ARACEAE

Peltandra sagittaefolia (Mx.) Morong.

{Sphagnous bogs near Bugaboo Landing, Okefinokee Swamp.

" Virginica (L.) Kunth.

{Camden: Satilla River swamp near Woodbine.
{Charlton: Bogs, prairies and bays of Okefinokee Swamp.

Orontium aquaticum L.

{Charlton: Swamp about 3 m. E. of Folkston
Common in Okefinokee Swamp.

MAYACACEAE

Mayaca Aubletii Mx.

Charlton: Sphagnous bogs near Folkston

XYRIDACEAE

Xyris Baldwiniana R. & S.

Charlton: Sandy bogs near Folkston.

Xyris brevifolia Mx.

Rather dry pine-barens, often around ponds.
Ware: Between Waycross and Ruskin.
Charlton: Several stations near Camp Cornelia.
Blind: Southwest of Fargo.
Not seen east of Okefinokee Ridges

" Elliottii Chapm.

Habitat similar to the preceding.
Ware: Between Waycross and Ruskin
Camden: Small pond south of Big Catfish Cr.
Charlton: Near Camp Cornelia.

" fimbriata Ell.

Pine-barren ponds, etc.
Camden: South of Big Catfish Creek
Charlton: Northwest: Ellicott's Mound,
and in Okefinokee Swamp.
Lowndes: Near Stanton and Valdosta
Glinch: Suwannee River swamp (1584)

" neglecta Small.

Okefinokee Swamp (1484)

" Smalliana Nash.

" torta, J. E. Smith.

Rather dry pine-barens.
Ware; Near Waycross.
Camden: Woodbine; south of Kingsland.
Charlton: East of Folkston, and on
ridge near Camp Cornelia
Lowndes: South of Valdosta
Charlton: Moist pine-barens near Moniac
(1570)

"

Xyris

ERIOCAULACEAE

Eriocaulon compressum Lam.

" decangulare L.

Lachnocaulon anceps (Walt) Morong

" Beyrichianum

Dupatya flavidula (Mx.) Kuntze

Charlton: River swamp at Moniac (1574)
Clinch: " " " Fargo

Charlton: Cypress pond south of Camp Lomax; Prairies and Cargo, Okefinokee Swamp.

Moist pine-barens, etc.; common.
Seen in every county except Pierce (and doubtless occurs there); not seen farther east than S. A. L. Ry., or in Okefinokee Swamp

Moist or rather dry pine-barens.
Ware: Between Waycross and Ruskin.
Camden: Woodbine.
Charlton: Common.

Charlton: Rather dry pine-barens north of Camp Cornelia (1491)

Moist or rather dry pine-barens, etc.
Ware: Near Glenmore.
Charlton: Okefinokee Swamp, and elsewhere, (very rarely east of the ridge)
Clinch: Southwest of Fargo;
Lowndes: South of Valdosta

BROMELIACEAE

Tillandsia tenuifolia L.

" *usneoides L.*

{ Charlton: Swamp east of Folkston (1509)
Along river at Moniac (1573)
Quite common; usually near water.
Ware, Glynn, Camden, Charlton, Clinch, Echols, Lowndes. Very common in Okefinokee Swamp.

PONTEDERIACEAE

Pontederia cordata L.

Common in pine-barren ponds, ditches, and brackish marshes. In marshes larger (6 ft. tall on Satilla River at Woodbine), and with broader and thinner leaves. Common in Okefinokee Swamp. Ran in every county except Pierce.

JUNCACEAE

Juncus

{ Pierce: Ordinary sand-hills of Satilla R.
Charlton: Sand-hills near Folkston (1495)
Pine-barens northwest of Elliott's mound

" *canadensis J. Gay.*

Satilla River swamp near Woodbine (1561)

" *dichotomus Ell.*

Meadow near beach, Cumberland I. (1546)

" *effusus L.*

Ware: Along Satilla River at Waltertown;
" railroad near Ruskin
Charlton: " " " Folkston.

Juncus megacephalus, M. A. Curtis.

" polycephalus Mx.

" repens Mx.

" Roemerianus Scheele.

" trigonocarpus Steud.

" [illegible]

Headon — near beach, Cumberland Island.

Moist pine-barens, pools and ditches
Ware: Between Ruskin and Glenmore.
Charlton: About 6 miles northeast of [illegible]
Clinch: Near Helena.
Lowndes: South of Valdosta

Habitat similar to the preceding.
Ware: Between Ruskin and Glenmore
Camden: Pond south of Kingsland.
Charlton: Near Racepond, and west of Spanish Creek.
Echols: Near Mayday.
Lowndes: " Blanton.

Glynn: Common in salt marshes around Brunswick. In salt creek beyond Dock Junction (photo. no. 50). Covers several acres near Satilla.
Camden: Inner shore, Cumberland I. Marshes of White Oak River.
Wet pine-barens near Racepond.

Pierce: Moist depressions in sand-hills of Satilla R.
Glynn: Around small pond near Dock Jc.
Charlton: Vicinity of [illegible] Camp Cornelia; several stations

LILIACEAE

Tofieldia racemosa (Walt.) B.S.P.	Ware: Moist pine-barens near Waycross. Charlton. Sphagnous bog east of Folkston.
Melanthium dispersum Small.	" " " " " (1506)
Lilium Catesbaei Walt.	Moist pine-barens, common, but never more than a dozen specimens visible at once. Ware, Pierce, Camden, Charlton, Glinch, Lowndes.
Yucca aloifolia L.	Among the dunes, St. Simon's Island
Aletris aurea Walt.	Rather dry pine-barens, Waycross.
" farinosa L.	" " " " N.W. of Ellicotts Mound.

SMILACEAE

Smilax auriculata Walt.	Climbing low trees just back of dunes, St. Simon's Island. (1531).
" Bona-nox L.	Mixed with the preceding.
" pumila Walt.	Ordinary sand-hills of Satilla River, Pierce Co.

Smilax laurifolia L.

Common in wooded non-alluvial swamps, especially Okefinokee Swamp.
Camden: Swamp of St. Mary's River.
Charlton, Clinch, Lowndes.

HAEMODORACEAE

Gyrotheca tinctoria (Walt.) Sal.

Wet pine-barens, ponds, and non-alluvial swamps.
Ware: Near Waycross and Ruskin.
Camden: St. Mary's River swamp.
Charlton: Between Cutts Mound and Mona; Near Elliott's Mound; Okefinokee Swamp.
Ware: Moist pine-barens near Ruskin.

Lophiola aurea Ker.

IRIDACEAE

Iris versicolor L.

Charlton: Wet pine-barens between Spanish Creek and Okefinokee Ridge.

CANNACEAE

Canna flaccida Roscoe.

In Taxodium distichum swamps (no Lafayette)
Camden: Between Waverly and White Oak.
Charlton: About 6 miles N.E. of Folkston.

BURMANNIACEAE

Burmannia capitata (Walt.) Mart.

Charlton: Moist ditch along railroad south of Folkston; Sphagnous bog about 2 m. east of Folkston

Habenaria blephariglottis (Willd.) Torr.

Moist pine-barrens and sphagnous bogs, not rare. Pierce, Camden, B. & B. (1508) Lowndes.

" ciliaris (L.) R. Br.

Habitat similar to the preceding.
Glynn: 6-7 and 9-10 miles west of Brunswick on B. & B. R. R.
Camden: Near White Oak; South of Big Catfish Creek.
Lowndes: South of Valdosta.

" integra (Nutt.) Spreng.

Habitat similar to the two preceding.
Ware: Between Murrays and Beach.
" Waltertown " Waycross.
Charlton: East (1507) and southwest of Folkston.

Limodorum tuberosum L.

Charlton: Sphagnous bogs.
About 2 miles east of Folkston, also in Okefinokee Swamp.

DICOTYLEDONES

SAURURACEAE.

Saururus cernuus L.

{ Pine-barren ponds and swamps.
Camden: Just south of Colesbug (rare)
Swamp of Little Catfish Creek.
Charlton: Near Folkston; Along
river at Traders Hill.

Glynn: Dry woods on bank of salt
creek just west of Dock Junction.

JUGLANDACEAE

Hicoria

MYRICACEAE

Myrica Carolinensis Mill.

{ Wet pine-barens, especially about
edges of non-alluvial swamps.
Charlton: South and east of Folkston.
Camden; Near Little Catfish Pond.

" cerifera L.

{ Habitat very variable.
Glynn: Dunes of St. Simon's; Woods near
Brunswick, and near Cartier.
Camden: Scrub thicket, Cumberland I.
Woods and swamps all along
the railroad.
Charlton: In swamps with either species
of Taxodium; Along St. Mary's River
at Traders Hill (20 ft. tall)
Clinch; Low woods near
Suwanoochee Creek west of Fargo.

Myrica pumila (Mx.) Small.

Usually in dry pine-barrens.
Glynn: Between Brunswick & Dock Jc.
Camden: South of Kingsland.
Charlton: Near Folkston & Camp Cornelia.
Pierce: Sand-hills of Satilla River, Vicinity of St. Mudge.

BETULACEAE

Carpinus Caroliniana Walt.

Wooded bluff at Traders Hill.

Alnus rugosa (DuRoi) Koch.

Charlton: Along streams at several points within a few miles of Folkston.

FAGACEAE

Castanea nana Ell.

Dry pine-barrens.
Ware: Between Elsie and Uphand.
Pierce: " Schlatterville & Hoboken.
Glynn: Vicinity of Dock Junction.
Camden: Colesburg.
Charlton: Near Racepond and Folkston.

Castanea

Pierce: Driest sand-hills of Satilla River (1467).
Camden: Sandy woods near Satilla River at Woodbine.

Castanea

Wooded bluff at Traders Hill.

Quercus alba L.

Camden Woods near Satilla R. at Woodbine
Lowndes: [illegible]

Sand-hills and dry pine-barens.
Ware: Sand-hills of Satilla River near Waltertown. Also east of Waycross.
Pierce: Ordinary sand-hills of Satilla R.
Glynn: Dry pine-barens around Dock Jc.
Camden: Cumberland Island. South of Kingsland.
Charlton: Vicinity of Racepond, Folkston and Cutler, common.
Echols: Both sides of Allapaha River near Mayday.

" Catesbaei Mx.

" brevifolia (Lam.) Sarg.
(Q. cinerea Mx.)

Habitat similar to the preceding, with which it is usually associated.
Ware: Sand-hills of Satilla R. near Waltertown
Pierce: " " " " " "
Also near Schlatterville.
Camden: South of Kingsland
Charlton: Folkston and vicinity.
Echols: Along Allapaha River near Mayday.

Quercus digitata (Marsh.) Sudw.

Charlton: Woods along streams west of Folkston, and near Camden Co. line northeast of there.

Quercus Margaretta Ashe.

Sand-hills.
Ware: Along Satilla River near Waldertown
Pierce: " " " NE of Waycross.
Charlton: Around Folkston, common

" Marylandica Munch.

Charlton: Woods near Camden Co. line.

" nimina (Sarg.) Small.

Dry or rather dry pine-barens.
Ware: Between Waycross and Dunkin.
Glynn: Near Dock Junction.
Charlton: Dry pine-barens around Folkston
Rather dry " " near Camp
Cornelia and Ellicott's Mound (1577)
Rhexia glabella flats of St. Mary's R.
Bugaloo Island, Okefinokee Swamp.
Clinch: Near Fargo.

" minor (Marsh) Sarg.

Charlton: Woods near Camden Co. line.

" myrtifolia Willd.

Pierce: Driest sand-hills of
Satilla River (1466) (Photo)
Camden: Scrub thicket, Cumberland
Island (1540) (Photo)

Quercus nigra L.
(Q. aquatica Walt.)

Along creeks and rivers.
Camden Near Woodbine
Charlton Folkston
Glynn Hargo

Quercus Virginiana Mill.
(Q. virens Ait.)

Pierce: Sand hills of Satilla River.
Glynn: Back of dunes St. Simons I.
Near Brunswick.
Camden: Cumberland; near Woodbine.
Charltons: West of Spanish Creek,
and near Traders Hill.
Blinch: Along Suwannee River, Hargo.
Echols: " Suwanoochee Creek.

Quercus

Dry pine-barrens.
Ware: Vicinity of Braganza
Pierce: " " Mt. Mudge;
Between Schatterville and Hoboken.
Camden: Colesburg; South of Kingsland
Charlton: Folkston and vicinity.

Quercus

Glynn: Dry pine-barrens
near Dock Junction (1566)

ULMACEAE

Ulmus

Planera aquatica (Walt.) J.F. Gmel.

Charlton: Along river at Traders Hill.
Swamp near Camden Co. line.

Blinch: Muddy swamp of Suwannee River near Fargo.

Celtis

Charlton: Woods near Camden Co. line.

MORACEAE

Morus rubra L.

Charlton: Wooded bluff at Traders Hill.
Woods near Camden Co. line.

URTICACEAE

Boehmeria cylindrica (L.) Willd.

Moist places south of Valdosta.

LORANTHACEAE

Phoradendron flavescens (Pursh) Nutt.

Parasitic on trees, especially Nyssa biflora.
Charlton: Creek swamps east and west of Folkston.
Clinch: Suwannee River swamp, Fargo.

Eriogonum tomentosum Mx.

Polygonum aviculare L.

" "

" maritimum L.

Polygonella

CHENOPODIACEAE

Chenopodium

Sand-hills and very dry pine-barrens.

Ware: Along Satilla R. near Waltertown and W[illegible]

Pierce: Sand-hills (ordinary) of Satilla River. Vicinity of Ft. Mudge, along B. & W. R.R. near Schlatterville, from 47th to 49th mile-post.

Charlton: Sand-hills near Folkston and Traders Hill.

Echols: Along Alapaha River near Mayday always on the Columbia formation. Not seen within 30 miles of the coast.

Camden: In Satilla River swamp near Woodbine. (1563)

Camden: St. Mary's River swamp (1568)

Glynn: Drifting sands near the head, St. Simon's I. (1534)

Dry pine-barrens, Camberland Island.

Atwood, Brunswick, St. Simon's (1535). Near Traders Hill; Bugaboo Landing in Okefinokee Swamp.

Sondia

Salsola Kali L.

Salicornia ambigua Ax.

AMARANTHACEAE

Amaranthus

" spinosus L.

Alternanthera repens (L.) Kuntze

Acnida

Froelichia Floridana (Nutt.) Moq.

BATIDACEAE

Batis maritima L.

Glynn: Salt marsh, St. Simon's I.
Camden: Inner shore, Cumberland I.

Glynn: Among wharves, Brunswick.
On dunes, St. Simon's Island.
Camden: " Cumberland "

Glynn: Salt marshes, Brunswick
and St. Simon's Islands.

Among the wharves, Brunswick.

" " " "

Streets of Brunswick.

Camden: Brackish marshes of
White Oak (1556), Satilla and
St. Mary's Rivers and Big Satilla Cr.

Charlton: Dry sandy cultivated fields
near Folkston and Traders Hill (1504)

Glynn: Salt marshes, Brunswick.

PHYTOLACCACEAE

Phytolacca decandra L.

NYCTAGINACEAE

Boerhaavia erecta L.

AIZOACEAE

Mollugo verticillata L.

Sesuvium Portulacastrum L.

"

PORTULACACEAE

Portulaca oleracea L.

" pilosa L.

CARYOPHYLLACEAE

Arenaria lanuginosa (Mx.) Rohrb.

Paronychia Baldwinii (T. & G.) Chapm.

Stipulicida setacea Mx.

Among ballast, Brunswick.

Wharves and streets of [illegible].

Glynn: Brunswick
Camden: White Oak } Atweed.

Moist hollows of dunes, Cumberland I.

On ballast, Brunswick (1524)

Glynn: On ballast, Brunswick.
Camden: Around dwelling, White Oak.

Ware: Railroad yard, Waycross.
Camden: Around dwelling, White Oak.

Under trees back of dunes, St. Simon's I.

" " " " " " " "

Pierce: Sand-hills of Satilla River

NYMPHAEACEAE

Brasenia purpurea (Mx.) Casp.

Castalia

RANUNCULACEAE

Clematis

MAGNOLIACEAE

Magnolia glauca L.

" grandiflora L.

Liriodendron Tulipifera L.

Ware: Cypress pond between Waycross and Ruskin.

Ware: Between Ruskin and Hebron.
Camden: Little Catfish Creek
Charlton: Okefinoke Prairie (Okefinoke Swamp)
Echols: Between Hagan and Mayday
Lowndes: Cypress swamps S. of Valdosta.

Charlton: Taxodium distichum swamp about 4 m. N.E. of Folkston.

Wet woods and non-alluvial swamps.
Ware, Pierce, Glynn, Camden, Charlton, Echols, Lowndes.
East to within 15 miles of Brunswick.

Low rich woods.
Glynn: 7 or 8 miles from Brunswick.
Camden: Near Colesburg and Kingsland.
Charlton: Traders Hill.
Clinch: Near Suwanoochee Creek.

Low woods along streams
Glynn: 7 or 8 miles from Brunswick
Camden: Little Catfish Creek
Charlton: Near Folkston & Traders Hill

ANONACEAE

Asimina angustifolia Gray.

Dry pine-barrens.
Glynn: Near Dock Junction.
Camden: Cumberland Island
Charlton: Near Folkston

" parviflora (Mx.) Dunal

Dry or rich woods.
Camden: Woodbine
Charlton: Bluff at Traders Hill.

" speciosa Nash

Dry pine-barrens.
Pierce: Between Hoboken and Bellatterville
Camden: Cumberland Island.
Charlton: Folkston and vicinity.

LAURACEAE

Persea pubescens (Pursh) Sarg.

Wet pine barrens and non-alluvial swamps
Ware: Near Glenmore (1470)
Camden: Sphagnous swamp of St. Mary's R.
Charlton: Okefinokee Swamp;
Near Moniac and Ellicott's Mound.

Sassafras officinale

Wooded Bluff at Traders Hill.

PAPAVERACEAE

Argemone alba

Waste places, St. Simons I. (1534)

CRUCIFERAE

Warea cuneifolia (Michx.) Nutt.

Pierce: Sand-hills of Satilla River, perhaps not indigenous. (1465)

CAPPARIDACEAE

Polanisia tenuifolia T. & G.

With the preceding (1467)

SARRACENIACEAE

Sarracenia flava L.

Moist pine-barens.
Ware: Between Murrays and Beach.
Near Ruskin (rare)
Not seen within 60 miles of the coast.

Sarracenia minor Walt.
(S. lacunosa Bartr., S. variolaris Mx.)

Rather dry, moist or wet pine-barens or non-alluvial swamps.
Ware: Between Elsie and Upchurch; Near Wayeross.
Pierce: Near Braganza.
Camden: Sphagnous swamp of St. Marys R.; also common in pine-barens.
Charlton: Common nearly everywhere, especially in Okefinokee Swamp, where it is 2-4 ft. tall. (1476)
Clinch: Near Fargo.
Echols: " "
Lowndes: Valdosta, and southward

Sarracenia psittacina Mx.

Charlton: Moist pine-barens between Spanish Creek and Camp Cornelia.
Sphagnum bog, Okefinokee Swamp (1478)

DROSERACEAE

Drosera

Drosera intermedia Hayne.

Moist pine-barens and sandy bogs.
Ware: Around shallow pond between W[illegible] and Ruskin.
Charlton: Vicinity of Folkston and Ellicotts Mound.

Bog near Bugaboo Landing, Okefinokee (47)

SAXIFRAGACEAE

Decumaria Barbara L.

Bamden: Wet woods along and near Little Catfish Creek.

Itea Virginica L.

Bamden: Swamp of Little Catfish Cr. (1566)
Charlton: Swamp near Ellicotts Mound; Okefinokee Swamp.
Echols: Near Suwanoochee Creek.

HAMAMELIDACEAE

Hamamelis Virginiana L.

Pierce: Driest sand-hills of Satilla River.
Charlton: Sand-hills west of Spanish Cr.
Woods and swamps.
Ware: Along Satilla R. near Waltertown
Glynn: Near Dock Junction, & west.
Bamden: Frequent.
Charlton: Along river at Traders Bluff; Woods near Bamden [illegible]
Clinch: Along Suwannee River.

Liquidambar Styraciflua L.

ROSACEAE

Rubus cuneifolius Pursh.

" nigrobaccus Bailey.

Aronia arbutifolia (L.) Ell.

Crataegus apiifolia (Marsh.) Mx.

"

"

Chrysobalanus oblongifolius Mx.

Prunus

roadsides, etc.
Camden: West of Woodbine.
Charlton: Northeast Folkston.
Lowndes: Valdosta.
Camden: Wet woods near cool spring south of Kingsland.

Moist pine-barrens and swamps.
Ware: Near Glenmore.
Camden: West of Woodbine.
Charlton: Near Ellicott's Mound.
Okefinokee Swamp.
Along river at Traders Hill.

Sand-hills near " "

Charlton: Woods near Camden Co. lines.

Sand-hills and very dry pine-barrens.
Pierce: Near Satilla River.
Charlton: Near Folkston, and on ridge near Camp Cornelia.

Wooded bluff at Traders Hill.

LEGUMINOSAE

Mimosa stigillosa T. & G.

Charlton: Along St. Marys R. - Traders Hill (1503); Pine-barrens northeast of Folkston.

Morongia

Dry pine-barrens.
Camden: Cumberland Island; South of Kingsland.

Cercis Canadensis L.

Along river at Traders Hill.

Cassia Marilandica L.

Charlton: Taxodium distichum swamp about 6 m. northeast of Folkston

Cassia occidentalis L.

Ared. Brunswick.

" Tora L.

{ " " , St. Simon's, Folkston, Valdosta

Chamaecrista

Charlton: Sand-hills southwest of Folkston.

Baptisia lanceolata (Walt.) Ell.

Dry pine-barrens.
Ware: North and west of Waycross
Camden: Near Waverly.
Charlton: " Racford & Folkston.

Baptisia perfoliata (L.) R. Br.

Crotalaria Purshii DC.

" rotundifolia (Walt.) Poir.

Kuhnistera pinnata (Walt.) Kuntze

Psoralea canescens Mx.

Amorpha

" herbacea Walt.

Petalostemon albidus (T. & G.

" carneus Mx.

Ware: Along railroad between Waycross and Satilla River, perhaps not native.

Ware: Rather dry pine-barens between Waycross and [illegible].

Glynn: Rather dry pine-barens between Brunswick and Dock Junction.

Sand-hills.
Charlton: Near Folkston.
[illegible]: Along Alapaha River near Maydays.

Dry pine-barens and weak sand-hills.
Camden: Cumberland Island.
Charlton: Near Folkston.

River-banks.
Camden: About a mile west of Woodbine.
Charlton: Traders Hill.

Charlton: Dry pine barens - near Folkston.

Camden: Dry pine-barens, Colesburg.
{With the preceding, also
Charlton: Frequent around Folkston

Indigofera Caroliniana Walt.

Dry pine-barens and sand-hills.
Camden: Cumberland Island.
Charlton: West of Spanish Creek.

Bracca chrysophylla (Pursh) Kuntze

" Virginiana L.

Charlton: Sand-hills between Spanish Creek and Traders Hill (1498)

Dry pine-barens and sand-hills.
Ware: Along Satilla River near Waltertown.
Pierce: " " " . Also near Ft. Hudge.
Charlton: Near Racepond, Folkston and Butler.
Not seen in the maritime counties.

Glottidium vesicarium (Jacq.) Merr.

Apparently a weed.
Camden: Rice plantation W. of Woodbine.
Charlton: South & west of Folkston.

Aeschynomene viscidula Mx.

Glynn: Streets of Brunswick.
Camden: Dry pine-barens, Cumberland I.
Charlton: Sand-hills near Traders Hill (1498).

Stylosanthes biflora (L.) B.S.P.

Camden: Dry pine-barens, Cumberland I.
Charlton: Sand-hills around Folkston.

Zornia bracteata (Walt.) Smel.

Dry pine-barens, Cumberland Island.

Meibomia arenicola Vail.

Lespedeza striata (Thunb.) ...

Clitoria Mariana L.

Apios tuberosa Moench.

Galactia Elliottii Nutt.

Galactia volubilis (L.) Britton

Dolicholus simplicifolius (Walt.) Vail.

Charlton: Sand-hills S.W. of Folkston

Aweed. Near Brunswick and Valdosta.

Dry pine-barens, Cumberland Island.

Camden: Swamp west of Bull Head Bluff.

Rather dry pine-barens.
Glynn: East and west of Dock Jct.
Camden: Cumberland Island; W. & N. of Colerbug (1559); S. of Kingsland.
Charlton: Folkston to Camp Cornelia.
Bugaboo Island (perhaps introduced)
Glinch: Near Fargo (rare)
Not seen more than 10 miles inland.

Woods near White Oak.

Dry pine-barens and sand-hills.
Glynn: Near Dock Junction.
Camden: South of Kingsland
Charlton: Near Spanish Creek.

LINACEAE

Linum floridanum (Raand.) Trel.

Rather dry pine-barens, etc.
Ware: Between Solen and Okefenokee. Near Waycross.
Charlton: Near Folkston, and westward
On Satilla, Brunswick. (522)

ZYGOPHYLLACEAE

Tribulus cistoides L.

Streets of Brunswick (529)

Hallstroemia maxima (L.) T. & G.

RUTACEAE

Xanthoxylum Clava-Herculis L.

Among dunes, St. Simons and Cumberland

POLYGALACEAE

Polygala cruciata L.

Moist pine-barens.
Ware: Between Waycross and river.
Camden: Colesburg
Charlton: East side of ridge; Moniac

" cymosa Walt.

Pine-barren ponds.
Ware: North of Burroughs; Betw. Beach & Solen.
Between Waycross & Rustin; Near Hebron.
" " " Satterville.
Wayne: West of Nahunta
Camden: Woodbine; South of Kingland.
Charlton: North & south of Camp Cornelia.
Glinch: East of Hargo; Near Thelma

Polygala grandiflora Walt.

" incarnata L.

" lutea L.

" ramosa Ell.

" setacea Mx.

Polygala

Charlton: Sand-hills near Folkston.

Ware: Moist pine-barrens between Waycross and Satilla River.

Moist pine-barrens.
Ware: Northeast & southwest of Waycross
Glynn. Northwest of Dock Jc.
Camden: Woodbine.
Charlton: Near Folkston; East slope of Okefinokee Ridge.

Moist pine-barrens, rather common.
Ware, Camden, Charlton.

Rather dry pine-barrens.
Ware: Between Waycross & Ruskin.
Camden: Woodbine.
Charlton: Spanish Creek to Camp [illegible] Near Ellicotts Mound.
Glinch: " Fargo.

Rather dry pine-barrens.
Ware: Near W[illegible] (1468)
Camden: West of [illegible] Cliff.
Charlton: Spanish Creek to Okefinoka [illegible] Northeast of Folkston.

EUPHORBIACEAE

Croton argyranthemus Mx.

" glandulosus septentrionalis Müll. Arg.

" maritimus Walt.

Charlton: Sand-hills around Folkston.

A weed. Brunswick and [illegible]

Glynn: Dunes, St. Simon's Island.
Camden: Beach, dunes and inner shore, Cumberland Island.

Crotonopsis spinosa Nash.

Charlton: Rhexia glabella flats near St. Marys [illegible]

Jatropha stimulosa Mx.

Charlton: Sand-hills near Folkston.
Camden: Dry pine-barens, Camberland.

Stillingia sylvatica, L.

Dry pine-barens in sand-hills.
Ware: Between Waycross and [illegible]
Camden: Cumberland Island; South of Kingland.
Charlton: Near Folkston.

Sebastiana ligustrina (Mx.) Müll. Arg.

Charlton: along St. Marys [illegible] at Traders Hill.

Euphorbia cordifolia Ell. — Dry pine-barrens, Cumberland Island.

" gracilis Ell. — Charlton: Sand-hills west of Spanish R.

" maculata L. — A weed, growing especially on wharves. Brunswick, White Oak, Colesburg, Camp Lawrence, Moniac, Valdosta.

" polygonifolia L. — Beach, St. Simon's Island. Dunes, Cumberland "

" [illegible] — Glynn: along railroad near Dock Junction. (5 feet tall)

" — On ballast, Brunswick. (1520)

ANACARDIACEAE

Rhus copallina L. — Pierce: Driest sand-hills of Satilla R. Glynn: Dry pine-barens near Dock Jc. Camden: " " " south of Woodbine. Charlton: West of Spanish Creek; Wooded bluff at Traders Hill.

" radicans L. — Camden: St. Marys river swamp; Wet woods. Charlton: Swamp east of [illegible]. Okefinokee Swamp, not common.

Rhus Toxicodendron L.

" Vernix L.

CYRILLACEAE

Cliftonia monophylla (Lam.) Britton

Cyrilla racemiflora L.

ILICACEAE

Ilex Caroliniana (Walt.) Trel.

" Bassine L.

Pierce: Sand hills of Satilla River.

Wet woods and non-alluvial swamps.
Charlton: Near Folkston and Trader Hill.
Lowndes: South of Valdosta.

{ Swamps. Ware: Near Waltertown.
Camden: West of Bull Head Bluff.

{ Swamps, rarely associated with the preceding.
Ware: Along Satilla R. near Waltertown.
Pierce: West of Blatterville.
Charlton: Near Folkston, Traders Hill and Moniac; Okefinokee Swamp.
Clinch: Near Fargo and Thelma.
Echols: " Suwanoochee Creek.
Lowndes: Near Blanton.

Pierce: Sand hills of Satilla River.

{ Camden: Wet woods south of Kingland.
Charlton: River swamp near Moniac.
Okefinokee Swamp.

Ilex glabra (L.) Gray — From rather dry pine-barens to swamps.
Glynn: Just back of Brunswick.
Camden: Woodbine; St. Mary's R. swamp.
Charlton: Near Folkston & Elliott's Mound.
Okefinokee Swamp, near Camp [illegible].
Clinch: Near Fargo.

" *lucida* (Ait.) T. & G. — Moist pine-barens, sandy swamps, &c.
Ware: Near Glenmore.
Charlton: " Folkston; Okefinokee Swamp.

" *myrtifolia* Walt. — Ware: Cypress pond between Waycross & Ruskin.
Charlton: Similar localities near Butler, Moniac and Ellicotts Mound.
Clinch: Suwannee River swamp.
Cypress swamp near Headlight.
Echols: Near Mayday.
Not seen within 40 miles of the coast.

" *opaca* Ait. — Camden: Swamp near Bull Head Bluff.
Charlton: St. Mary's River swamp, Moniac.

" *vomitoria* Ait. — Camden: " " " "

ACERACEAE

Acer rubrum — Wet woods and swamps [illegible].
Glynn, Camden, Charlton, Clinch
Echols, Lowndes. Not near salt water.

RHAMNACEAE

Berchemia scandens (Hill.) Trel

{Camden: Swamp of Little Catfish Creek.
Charlton: Along river at Traders Hill.
Swamp about 6 m. N.E. of Folkston.

Ceanothus microphyllus Mx.

Camden: Dry pine-barrens south of Kingsland.

VITACEAE

Vitis aestivalis Mx.

{Camden: Near Satilla River at Woodbine.
Charlton: Wooded bluff at Traders Hill.

" rotundifolia Mx.

{Glynn: Between Dock Jc. and Barnard.
Camden: Swamp west of Bull Head Bluff; On dunes, Cumberland I.; Wet woods south of Kingsland.
Charlton: Sand-hills west of Spanish Br.
Wooded bluff at Traders Hill.

Along canal, Okefinokee Swamp, introduced.

Ampelopsis arborea (L.) Rusby.

Glynn: Dunes, St. Simon's Island.
Woods near Dock Junction.
Charlton: Woods near Camden Co. line.

Parthenocissus quinquefolia (L.) Planch

In woods.
Camden: Near White Oak, Satilla R. and Big Catfish Creek.
Charlton: Near Traders Hill.

MALVACEAE

Sida rhombifolia L.

Abutilon weed. Brunswick and Valdosta.

Hosteletzkya Virginica (L.) A. Gray.

Camden: Brackish marshes of White Oak, Satilla (1565) and St. Marys.

Hibiscus aculeatus Walt.

Rather dry pine-barrens.
Charlton: Between Spanish Creek and Okefinokee Ridge.
Lowndes: South of Valdosta.

THEACEAE

Gordonia Lasianthus L.

Camden: St. Marys River swamp (1571)
Charlton: Non-alluvial swamps near Folkston, Moniac and Ellicotts Road Okefinokee Swamp.

STERCULIACEAE

Melochia corchorifolia L.

In cultivated ground near dwelling, White Oak

HYPERICACEAE

Ascyrum pumilum Michx.

Rather dry pine-barens.
Ware: Between Waycross and Ashburn.
Charlton: Near Folkston.

" stans Michx.

Rather dry or moist pine-barens.
Glynn: Between Brunswick and Dock Jc.
Camden: Bolan's.
Clinch: Near Fargo.

Hypericum

" fasciculatum Lam.

Dry pine-barens, Cumberland I.

" galioides Lam.

Moist sandy places along railroad just south of Folkston.

" mutilum L.

Moist pine-barens, frequent.
Ware, Camden, Charlton, Clinch, Lowndes.

Charlton: Along river at Traders Hill (1502); " Spanish Bluff.

Low grounds near plantation west of Woodbine, Camden Co.

Hypericum mystifolium Lam.

Moist pine-barrens, frequent.
Ware, Glynn, Camden, Charlton.

"

Charlton: Along river at Traders Hill (1501); " Spanish Creek.
Clinch: Along Suwannee River near Fargo.

"

Charlton: Mixed with no. 1501.)

" *spaeum T. & G.*

Moist pine-barrens,
Ware, Camden, Charlton, Clinch.

" *pilosum Walt.*

Camden: Moist pine-barrens, Colerbang.

"

Ware: Wet pine-barrens between Ruskin and Hammond.

Sarothra gentianoides L.

Rather dry pine-barrens; mostly cultivated.
Pierce: West of Schlatterville.
Camden: Between Woodbine & Colerbang.
Charlton: East of Folkston
Echols: Mayday, and westward.

Triadenum Virginicum (L.) Raf.

Charlton: Okefinok Swamp.
Clinch: Wet pine-barrens east of Fargo.

CISTACEAE

Helianthemum

Lechea

"

VIOLACEAE

Viola denticulosa Pollard.

TURNERACEAE

Piriqueta Caroliniana

PASSIFLORACEAE

Passiflora lutea L.

CACTACEAE

Opuntia vulgaris Mill.

Dry sand east of [illegible] Cumberland Co.

Rather dry pine-barens of [illegible] around [illegible] ponds.
Ware: Between Waycross and [illegible].
Charlton: North and south of Camp Cornelia.
Not seen east of Okefinokee Ridge.

Ware: Dry sand between [illegible] and Satilla River.

Charlton: Taxodium distichum [illegible] about 4 miles northeast of [illegible].

Charlton: Along S. & P. R. R. northeast of Folkston.

Apparently ruderal.
Camden: Near house west of Bull [illegible] Bluff; Cumberland Co.

Sand-hills, etc.
Ware: Between Waycross and [illegible].
Pierce: Along Satilla [illegible].
Charlton: Near Traders [illegible].

Opuntia Pes-corvi, Lebonte.

LYTHRACEAE

Decodon verticillatus (L.) Ell.

Lythrum lineare L.

"

MELASTOMACEAE

Rhexia ciliosa Mx.

" glabella Mx.

"

" lutea Walt.

{Glynn: Back of dunes, St. Simons Island.
{Camden: Dry sandy, Cumberland "

Along canal, Okefinokee Swamp.

Camden: Brackish marshes of White Oak River (1553)

Charlton: Paxodium distichum swamp - near Camden Co. line.

{Moist pine-barrens, abundant.
{Ware, Camden, Charlton, Glinch, Lowndes.

{Moist pine-barrens, etc., usually very abundant. The predominating species in the "Rhexia glabella"
{Ware, Pierce, Glynn, Camden, Charlton, Glinch, Lowndes.

Moist pine-barrens, [illegible].

Ware: Near Ruskin
Camden: Around small ponds south of Big Catfish Creek.
Charlton: Rhexia [illegible] flats of [illegible] Creek.

Rhexia [illegible]

" Floridana Nutt.

" serrulata Nutt.

" [illegible] ?

ONAGRACEAE

Isnardia palustris L.

Ludwigia alata Ell.

" capitata Mx.

{Moist pine barrens and sand ponds.
Ware: East of [illegible];
Camden: South Kingsland.

Camden: Margin of shallow [illegible] pond south of Kingsland. (1572)
Glinch: Muddy flats in Suwannee River swamp (1578)

Camden: Moist pine-barrens near Woodbine.

{Wet pine-barrens, rather [illegible].
Ware, Pierce, Glynn, Charlton, Lowndes.

Camden: Edge of Satilla River marsh, Woodbine; Swamp of Little Catfish Creek.

Camden: Brackish marshes of White Oak (1554), Satilla & St. Mary's Rivers.

Moist pine-barrens [illegible].
Charlton: East [illegible] west (1488) of ridge near Camp Cornelia; East of Folkston. Okefinokee Swamp (peculiar form, 1483)
Glinch: East of [illegible].

Ludwigia alternifolia L.

" hirtella Raf.

" linearis Walt.

" linifolia Poir.

" pilosa Walt.

" sphaerocarpa Ell.

" virgata

Lowndes: Ditches along railroad south of Valdosta.

Rather dry pine-barens, etc.
Camden: Colesburg
Lowndes: Valdosta.

Ditches, moist pine-barens, etc.
Camden: Colesburg; south of [illegible]
Lowndes: South of Valdosta

Charlton: Taxodium imbricarium swamp near St. Marys River southeast of [illegible]

Wet pine-barens, shallow ponds, etc. Ware, Glynn, Camden, Charlton, Clinch, Echols, Lowndes. Extends to within 12 miles of Brunswick.

Ditches, Valdosta.

Charlton: Around cypress pond near St. Marys River east of Ellicotts Mound.

Ludwigia

Camden: [illegible] between dunes and beach, Cumberland I. (1542)
Rather dry pine- [illegible] west of Woodbine and south Kingsland.
Charlton: ?
Lowndes: [illegible] of V

Jussiaea decurrens (Walt.) DC.

Ditches and low grounds.
Camden: Plantation west of Woodbine.
Lowndes: Near Valdosta.

" leptocarpa Nutt.

" " "

Oenothera humifusa Nutt.

Meadow near beach, Cumberland I.

Gaura angustifolia Mx.

Glynn: Brunswick
Camden: Cumberland
Charlton: Swamp near Camden Co. Ga.
} Apparently indeed

HALORAGIDACEAE.

Proserpinaca palustris L.

Camden: West of Bull Head Bluff.

" pectinata Lam.

Camden: Shallow pond south of Kingsland.

Myriophyllum laxum Nutt.

In canal, Okefinokee Swamp.

ARALIACEAE

Aralia spinosa L.

Rich woods.
Glynn: Near Dock Jc. and Cartier.
Camden: Near Satilla R. at W[illegible]
Between Big & Little Satilla Creeks.
Charlton: Bluff & Traders Hill.
Blinch: Near Suwanoochee Creek.

UMBELLIFERAE.

Hydrocotyle umbellata L.

Glynn: Artesian well, St. Simon's.
Camden: Inner shore, [illegible]
Charlton: Okefenokee Swamp (1471)
Lowndes: Ditches south of Valdosta.

Centella Asiatica (L.) Urban

Wet pine-barens and ponds.
Ware: Between Waycross & Rustin.
Glynn: " Brunswick & [illegible]
Camden: Woodbine; South of Kingsland.
Charlton: Frequent.

Eryngium aromaticum Baldw.

Charlton: Sand-hills (1496) and dry pine-barens from Folkston to Camp Cornelia.
Blinch: Near Fargo (not common)

" Baldwinii Spreng.
(E. gracile Baldw.)

Charlton: Dry pine-barens near Folkston (1494); along river at Traders Hill.

Eryngium Ludovicianum Morong.

Charlton: Moist pine-barrens about 5 miles northeast of Folkston.

" synchaetum (Gray) C. & R.

Rather dry pine-barrens, etc.
Ware: Near Waycross.
Camden: West of Bull Head Bluff; Colesburg; Near St. Mary's River.
Charlton: Rhexia glabella flats. Near Folkston, Camp Cornelia, and Ellicott's Mound.
Glinch: Near Fargo.

" virgatum Lam.

Moist pine-barrens.
Charlton: Moniac.
Lowndes: Valdosta (abundant)

Sicuta Curtissii C. & R.

Camden: Swamp about a mile west of Bull Head Bluff.
Brackish marshes of White Oak River.

Oxypolis filiformis (Walt.) Britton

Moist pine-barrens and shallow ponds. Seen in every county except Wayne (but doubtless occurs there too). Extends east to within 10 miles of Brunswick.

CORNACEAE

Nyssa biflora Walt.

Pine-barren ponds and swamps. Ware, Glynn, Camden, Charlton, Echols, Lowndes. Rare in Okefinok Swamp. Extends east to within 12 miles of Brunswick.

" Ogeche Nutt.

In rivers, creeks, branches and swamps. Ware, Pierce, Camden (Bull Head Bluff), Charlton, Clinch, Echols. Not seen within 20 miles of the coast.

" uniflora Wang.

Glynn: Swamps between Dock Junction and Cartier, Bladen and S.B.T. Crossing, and southward.

CLETHRACEAE

Clethra

Swamps and wet pine-barrens. Ware, Pierce, Camden (Bull Head Bluff), Charlton, Clinch, Lowndes. Not seen within 20 miles of the coast.

ERICACEAE

Bejaria racemosa Vent.

Dry or rather dry pine-barrens. Camden: Cumberland Island (1539) Woodbine; Colesburg; South of Kingsland. Charlton: Frequent between Cutter and Moniac; Northwest of Ellicotte Mound.

Azalea viscosa L.

Swamps, etc.
Ware: Vicinity of Braganza
Charlton: Just west of Folkston.
Echols: Near Suwanoochee Creek.

Kalmia hirsuta Walt.

Rather dry fine-barens.
Camden: Woodbine.
Charlton: Near Camp Cornelia;
Bugaboo Island.

Leucothoe

Charlton: In Okefinokee Swamp.
Clinch: West bank of Suwannee River.

Pieris nitida (Bartr.) B. & H.

Non-alluvial swamps, etc.
Ware: Near Glenmore.
Camden: Cumberland (1541); Woodbine;
Sphagnous swamp of St. Mary's River.
Charlton: Vicinity of Folkston & Moniac.
Okefinokee Swamp.

Pieris phillyreaefolia (Hook.) DC.

Charlton: Cypress pond north of
Camp Cornelia; Okefinokee Swamp (1475, 1477)

Xolisma

Camden: Moist fine-barens
south of Kingsland.

Xolisma

VACCINIACEAE

Gaylussacia

Rather dry pine-barrens and sand-hills.
Ware: Between Waycross and Ruskin.
Pierce: At east sand-hills of Satilla R. (abundant); Vicinity of Ft. Mudge.
Glynn: Vicinity of Dock Junction.
Camden: Woodbine; South of Kingsland
Charlton; Bugaboo Island; and frequent outside of the swamps.
Clinch: Near Fargo.

" damosa (Andr.) T. & G.

Rather dry pine-barrens.
Glynn: Near Dock Junction.
Camden: South of Kingsland.
Charlton: Bugaboo Island.

Vaccinium nitidum Andr.

Dry or rather dry pine-barrens.
Charlton: Near Folkston; Bugaboo I.

Dry or rather dry pine-barrens.
Glynn: Vicinity of Dock Junction.
Camden: South of Little Catfish Br.
Charlton: Near Folkston, Cutler, & Ellicott's Mound; Bugaboo Island.
Clinch: Near Fargo.

Batodendron arboreum Nutt.

Sand-hills and rich woods.
Pierce: Sand-hills of Satilla River.
Camden: Near Satilla River, Woodbine.
Charlton: Sand-hills west of Spanish Br.
Wooded bluff at Traders Hill.
Glynn: Woods near Suwanoochee Creek.

Polycodium stamineum (L.) Greene

Sand-hills and very dry pine-barrens.
Pierce: Driest sand-hills of Satilla River (6 ft. tall)
Charlton: Near Racepond & Folkston.

PRIMULACEAE

Samolus floribundus H.B.K.

Camden: Brackish marshes of White Oak River; Wetwoods south of Kingsland.

Anagallis arvensis L.

On ballast, Brunswick.

SAPOTACEAE

Bumelia

Glynn: Back of dunes, St. Simon's Island
Camden: Dry pine-barrens, Camberland I.
Charlton: Wooded bluff at Traders Hill

" lycioides (L.) Pers.

Charlton: Along river at Traders Hill.

EBENACEAE

Diospyros Virginiana L.

Habitat very variable.
Pierce: Sand-hills of Satilla River.
Glynn: About 10 miles [illegible]
Camden: Woods, White oak.
Charlton: Frequent, from sand-hills to swamps.

Swamps.
Camden: West of Bull Head Bluff.
Charlton: Along Spanish Creek and St. Mary's River.
Clinch: Suwannee " swamp.
Echols: Suwanoochee Creek "

Sand-hills and rich woods.
Pierce: Driest sand-hills (hunting)
Charlton: West of Spanish Creek.
Clinch: Woods near Suwanoochee Cr.

In woods.
Camden: Near White Oak; S. of Kingsland
Charlton: Bluff at Traders Hill

OLEACEAE

Fraxinus Caroliniana Mill.

Osmanthus Americana (L.) A. Gr.

LOGANIACEAE

Gelsemium sempervirens (L.) Ait. f.

Polypremum procumbens L.

A weed, or mostly so.
Charlton: Folkston.
Camden: Inner shore, Cumberland I.
Echols: Near Stowell.
Lowndes: " Blanton

Gyroctonum sessilifolium (Walt.) Small. — Charlton: Moist pine-barens near Okefinokee Ridge and Elliott's Road.

GENTIANACEAE

Sabbatia campanulata (L.) Torr. — Charlton: Rhexia glabella flats of St. Mary's River and Spanish Cr.

" decandra (Walt.) Harper. — Pine-barren ponds, etc.
Ware: Near Waycross, Ruskin and Glenmore.
Charlton: East slope of Okefinokee Ridge.

" Elliottii Steud. — Rather dry pine-barens, common.
Glynn (to within 10 miles of Brunswick), Camden, Charlton, Blinch, Echols, Lowndes.

" foliosa Fernald — Ware: Along Satilla R. near Waycross.
Camden: Swamp of Little Catfish Cr.
Charlton: Along river at Traders Hill.

" gentianoides Ell. — Moist pine-barens.
Charlton: Several stations east and west of Folkston.

" macrophylla Hook. — Charlton: Moist pine-barens near Uptonville.

" stellaris Pursh. — Glynn: Around artesian well, St. Simon's I.
Camden: Meadow near beach, Cumberland

Bartonia

Limnanthemum aquaticum (Walt.) Britton

APOCYNACEAE

Amsonia ciliata filifolia Wood.

ASCLEPIADACEAE

Asclepias cinerea Walt.

" humistrata Walt.

" lanceolata Walt.

" perennis Walt.

Charlton: Sphagnous bog about 2 miles east of Folkston.

Okef. [illegible] Swamp.

Pierce: Sand-hills of Satilla [illegible].

Rather dry pine-barens.
Camden: Colesburg.
Charlton: Frequent between Folkston and Okefinokee Ridge.

Charlton: Sand-hills between Spanish Creek and Traders Hill.

Wet pine-barens and ponds.
Ware: Between Waycross and Ruskin
Pierce: " Braganza & Ft. Mudge.
Glynn: Near Thalmann; South of S.B.T. Crossing.
Camden: Near Waverly
Charlton: Around Folkston.

Charlton: Bank of St. Mary's River at Traders Hills

Anantherix connivens (Baldw.) Feay

{Moist pine-barens.
Charlton: North of Camp Cornelia.
Lowndes: Valdosta.
Not seen east of ridge (but discovered in Camden Co. by Dr. Baldwin)

Podostigma pubescens Ell.

Rather dry pine-barens.
Camden: Woodbine (1 specimen); also St. Mary's (according to Elliott)

CONVOLVULACEAE

Ipomoea filicaulis Blume.

On ballast, Brunswick (1523)

" sagittata Poir.

Charlton: 5 miles northeast of Folkston.

Breweria humistrata (Walt.) Gray

Camden: Dry pine-barens, Cumberland I.
Charlton: Sand-hills S.W. of F[illegible].

CUSCUTACEAE

Cuscuta compacta Juss.

{On shrubs in swamps.
Camden: South of Woodbine.
Charlton: Near Folkston; Okefinokee Swamp, along canal.

BORAGINACEAE

Heliotropium Curassavicum L.

On ballast, Brunswick. (1525)

" Europaeum L

" " " (1526)

HYDROPHYLLACEAE

Nama corymbosa (Macbride) Hunziker

Charlton: Moist pine-barrens about 5 miles northeast of Folkston (1516)

VERBENACEAE

Lippia nodiflora (L.) Mx.

Not far from the coast. Often a weed.
Glynn: Streets of Brunswick; Around artesian well, St. Simon's
Camden: Meadow near beach,
Charlton: Moist pine-ba... about 5 miles northeast of Folkston (1513)

Callicarpa Americana L.

Habitat variable. Usually ...
Glynn: Back of dunes, St. Simon's Island, near Thalmann.
Camden: Near White Oak and Woodbine
Charlton: Sand-hills and wooded bluff at Traders Hill.
Clinch: Woods near Suwanoochee ...

LABIATAE

Mesosphaerum rugosum (L.) Pollard

Moist pine-barrens, margins of swamps, etc.
Glynn, Camden, Charlton, Lowndes.

Teucrium Canadense L.

Charlton: First Taxodium distichum swamp east of Folkston (1510)

Physostegia

Charlton: With the preceding; also near Ellicott's Mound.

Monarda punctata L.

Dry sandy woods, etc.
Glynn: Just back of Brunswick.
Camden: Woodbine [illegible] and Ft. [illegible] Creek.

Lycopus

Hoellia hyssopifolia (Benth.) Britton

Charlton: Swamp near Camden Co. line.

" nuda (Nutt.) Kuntze

Moist pine-barrens, etc.
Camden: W. of Bull Head Bluff; Colesburg.
Charlton: Rhexia glabella [illegible]
St. Mary's River and Spanish Creek.
Near Moniac.
Glynn: Southwest of Ft. [illegible].
Moist pine-barrens.
Ware: Near Folkston and Waycross.
Camden: Colesburg.
Charlton: West of Spanish Cr; Near Moniac.

SOLANACEAE

Solanum Carolinense L.

" Weed. Brunswick.

" On ballast, " (1518)

" " " (1519)

Datura Stula L.

Charlton: Roadside west of Folkston

Nicotiana ?

Streets of Brunswick.

SCROPHULARIACEAE

Verbascum Thapsus L.

Monniera Monniera (L.) [illegible]

" acuminata (Walt.) Rusby

Scoparia dulcis L.

Mieranthemum orbiculatum Nx.

Gratiola pilosa Nx.

Sophronanthe hispida Benth.

A weed, Cumberland [illegible].

{ Glynn: Artesian well, St. Simons I.
Camden: Inner sh[illegible]

[illegible]: Pine-barens about 5 m[illegible]
northeast of Folkston.

{ A weed.
Glynn: Between Brunswick & Dock Jc.
Camden: West of Bull Head Bluff.
Lowndes: [illegible]

{ Camden: Wet woods south of Kingsland.
Charlton: Along [illegible] Traders Hill.

{ Moist pine-barens.
Charlton: N. W. of Ellicott's Mound.
Clinch: Southwest of Fargo.
Lowndes: Valdosta.

{ Rather dry pine-barens, etc.
Ware: Between Waycross and Ruskin
Pine: Sand-hills of Satilla River.
Charlton: Near Camp Bonnelia & Traders Hill
Clinch: Southwest of Fargo.

Buchnera

Agalinis cassioides (Walt.) Small.

Charlton: Rather dry pine-barrens near Folkston.

Rather dry or moist pine-barrens.
Ware: Between Waycross and Ruskin.
Charlton: Along ~~hwy~~ 1 at Camp Cornelia Northwest of Ellicotts Mound.

Dasystoma pectinata (Nutt.) Benth.

Charlton: Sand-hills southwest of Folkston

" Virginica (L.) Britton

" " " west " "

Gerardia fasciculata Ell.

Camden: Meadow between dunes and beach, Cumberland I. (1543)

" linifolia Nutt.

Charlton: Cypress pond south of Camp Cornelia; Okefinokee Swamp.

BIGNONIACEAE

Bignonia crucigera L.

Low woods and swamps.
Glynn: Near Dock Junction.
Charlton: Along Spanish Creek.
Echols: Near Suwanoochee "

LENTIBULARIACEAE

Utricularia juncea Vahl.

Charlton: Sphagnous bog east of Folkston. Okefinokee Swamp, Chase Prairie.

" purpurea Walt.

" " " "

ACANTHACEAE

Tubiflora Carolinensis (Walt.) Amel. — Camden: Moist pine barens west of Bull Head Bluff.

PLANTAGINACEAE

Plantago sparsiflora Mx. — Charlton: Rather dry pine barens about 5 m. northeast of Folkston (1512)

RUBIACEAE

Houstonia rotundifolia Mx. — Dry pine barens, etc.
Glynn: Near Dock Junction.
Camden: Cumberland Island.
Charlton: Sand-hills east of Folkston.
Clinch: Northwest of Nargo.

Oldenlandia uniflora L. — Rather dry pine-barens.
Camden: Between Woodbine & Colesburg
Charlton: North of Camp Cornelia.

Diodia teres Walt. — Mostly a weed, especially along railroads.
Pierce, Glynn, Camden, Charlton, Echols, Lowndes.

" Virginiana L. — Usually in moist places, often a weed.
Camden: White Oak; Colesburg.
Charlton: Moist pine-barens near Moniac.

Richard

Pinckneya pubens Mx.

Cephalanthus occidentalis L.

Mitchella repens L.

Galium hispidulum Mx.

CAPRIFOLIACEAE

Sambucus canadensis L.

Viburnum molle Mx.

& weed. Valdosta.

{ Swamps and wet pine-barrens.
Pierce: East and west of Schlatterville.
Echols: Near Mayday.
Lowndes: " Blanton and Valdosta.
Not seen east of ridge.

{ In swamps, frequent.
Ware, Camden, Charlton, (including Okefinokee Swamp), Clinch, Lowndes.

Camden: Wet woods south of Kingsland.

{ Camden: Dry pine-barrens, Cumberland
Charlton: Wooded bluff at Traders Hill

Camden: Satilla River swamp near Woodbine

Charlton: Bank of St. Mary's River at Traders Hill.

Viburnum nudum L.

Wet pine-barens and swamps.
Ware: Near Ruskin.
Glynn: About 10 miles from Brunswick. Between Bladen and S.B.T. Crossing.
Camden: Colesburg.
Charlton: Between Folkston and Bull Head Bluff.

" obovatum Walt.

Charlton: Near river at Traders Hill.

Lonicera sempervirens L.

Pierce: Driest sand-hills of Satilla River.

CUCURBITACEAE

Melothria pendula L.

Glynn: Under trees just back of dunes, St. Simon's Island.

LOBELIACEAE

Lobelia cardinalis L.

Camden: Swamp of Little Catfish Cr.

CICHORIACEAE

Sitilias Caroliniana (Walt.) Raf. — Streets of Brunswick.

AMBROSIACEAE

Iva frutescens L. — Glynn: Salt marshes around Brunswick. Dunes, St. Simon's Island.

" imbricata Walt. — " " " "

" microcephala Nutt. — A weed along B.&P. R. R. northeast of Holkston, in Camden and Charlton.

Ambrosia artemisiaefolia L. — A weed. Less common in this region than farther north.
Glynn: Waste places, St. Simon's &.
Camden: West of Bull Head Bluff.

" psilostachya DC. — Charlton: Rather dry pine-barens about 5 miles north of Holbiton (1514). To all appearances indigenous

COMPOSITAE

Vernonia angustifolia Mx.

Dry or rather dry pine-barrens.
Glynn, Camden, Charlton, Clinch.

"

Swamps, etc.
Camden: Near Woodbine.
Charlton: Southeast and northeast of Folkston.

Elephantopus elatus Bertol.

Dry or rather dry pine-barrens.
Glynn: Near Brunswick.
Camden: Cumberland Island.
Charlton: East of Folkston and Camp Cornelia.

" Carolinianus Willd.

Charlton: Wooded bluff at Traders Hill.

"

Rather dry pine-barrens.
Camden: North of Colesburg (1560); South of Kingsland.
Clinch: Southwest of Fargo.

Eupatorium album L.

Pierce: Dry pine-barrens near Ft. Hudnall.

Eupatorium capillifolium (Lam.) Small.

A weed, mostly in swamps.
Glynn: Just east of Brunswick.
Charlton: Along B. & O. R. R. in swamp near Camden Co.
Along canal in Okefinokee Swamp.

" compositifolium Walt.

In dry pine-barrens, doubtfully indeed.
Ware, Pierce, Camden (Cumberland Island), Echols (Howell).

" hyssopifolium L.

Dry pine-barrens.
Glynn: Between Brunswick and [illegible]
Camden: Woodbine.

"

Glynn: Muddy places in swamp of Suwannee River (1579)

" perfoliatum L.

Swamps.
Charlton: First Taxodium distichum swamp east of Folkston.
Glynn: Between Darien and Thalmann.

" rotundifolium L.

Moist or rather dry pine-barrens.
Ware, Pierce, Glynn, Camden, Charlton, Glinch, Lowndes.

Eupatorium semiserratum DC.

Charlton: First Expedition distichum swamp east of Folkston. (1511).

" serotinum Mx.

Camden: Satilla River swamp opposite Woodbine.

" verbenaefolium Mx.

Rather dry pine-barrens.
Camden: Woodbine.
Charlton: Near Folkston.
Lowndes: South of Valdosta.

Conoclinium coelestinum (L.) DC.

Camden: Wet woods south of Kingsland
Charlton: Along river at Traders Hill.

Mikania scandens (L.) Willd.

Glynn: Around artesian well, St. Simons.
Swamps between Dock & ~~---~~ Sanders.
" " Bladen & S. B. T. Crossing
Camden: In nearly every swamp along the railroad, from Waverly to St. Mary's River (1567)
Charlton: Along river at Traders Hill.
Swamp east of Folkston.

Silisa odoratissima (Walt.) Cass. — Rather dry or moist pine-barens. Ware, Pierce, Glynn, Camden, Charlton, Glinch, Echols, Lowndes (abundant)

" paniculata (Walt.) Cass. — Similar in habit to the preceding, but rarely associated with it, and less common. Ware, Glynn, Charlton, Glinch, Lowndes.

Carphephorus — Dry pine-barens, etc.
Glynn: Vicinity of Dock Junction.
Camden: South of Woodbine.
Charlton: Sand-hills near Folkston.
Lowndes: Near Blanton.

Heterotheca subaxillaris (Lam.) Britton & Rusby — Among wharves, Brunswick.

Chrysopsis graminifolia (Mx.) Nutt. — Dry or rather dry pine-barens, common.
Ware, Glynn, Camden, Charlton, Lowndes.

" — Charlton: Dry pine-barens near Camp Cornelia.

Chondrophora nudata (Mx) Britton. — Moist pine-barens, common and often very abundant. Ware, Pierce, Glynn, Camden, Charlton, Clinch, Lowndes.

Solidago — Brackish marshes of White Oak River.

Euthamia Caroliniana (L.) Greene. — A weed, along or near the S.A.P.R.R. Camden: West of Bull Head Bluff. Charlton: Folkston, and westward.

Aster squarrosus Walt. — Rather dry pine-barens. Ware: Near Waycross. Camden: Woodbine; South of Kingsland. Charlton: Near Folkston & Camp Cornelia.

Sericocarpus bifoliatus (Walt.) Porter. — Dry pine-barens, etc. Camden: Between Woodbine & Colesburg. Charlton: Sand-hills S.W. of Folkston.

Erigeron vernus (L.) T. & G. — Moist pine-barens, etc. Ware: East of Waycross and Ruskin. Camden: South of Colesburg. Clinch: Near Stargo.

Leptilon Canadense (L.) Britton	A weed. Glynn: Streets and wharves, Brunswick Camden: West of Bull Head Bluff. Cumberland Island. Charlton: Near Camp Cornelia.
" linifolium (Willd.)	Streets and wharves Brunswick.
Doellingeria reticulata (Pursh) Greene	Rather dry pine-barrens. Glynn: Near Cartier. Camden. Woodbine; South of Kingsland Charlton: Near Folkston; East slope of ridge near Camp Cornelia. Clinch: Near Fargo.
Baccharis angustifolia Mx.	Brackish marshes of White Oak River
" halimifolia L.	Swamps, etc. Glynn: Brunswick, and westward. Camden: West of Bull Head Bluff; Taxodium distichum swamps near Glencoe & Colesburg. Along White Oak River. Charlton: Along river at Traders Hill. Swamp near Camden Co. line. Not seen west of ridge.

Pluchea

" foetida (L.) O. K.

Swamps, etc.
Glynn: Around artesian well, St. Simons.
Between Bladen and S.B.T. crossing.
" Dock Junction and Cartier.
Camden: Dinner shore, Cumberland &
North of Colesburg.
Along Big Catfish Creek.
Not seen more than 25 miles inland.

Wet pine-barens and ponds.
Glynn: Near Dock Junction.
Camden: Frequent along railroad
Charlton: " west " "

" imbricata (Kearney) Nash

Similar in habitat to the preceding but never associated with it.
Ware, Camden, Charlton, Clinch.

Pterocaulon undulatum (Walt.) Mohr
(P. pycnostachyum (Mx.) Ell.)

Dry or rather dry pine-barens.
Ware, Glynn, Camden,
Charlton (common), Clinch.

Silphium compositum Mx.

Camden: Dry pine-barens south of Kingsland.
Charlton: Sand-hills near Traders Hill.

Acanthospermum australe (L.) Kuntz.

A common weed, especially along railroads.
Pierce: Fort Hudge and Hoboken.
Glynn: Among wharves, Brunswick.
Charlton: Racepond, Camp Lonelia, Folkston.
Camden: South of Woleslungo.
Lowndes: Valdosta.

Berlandiera tomentosa (Pursh) Watt.

Dry pine-barrens, etc.
Camden: Cumberland Island.
South of Kingsland.
Charlton: Sand-hills near Folkston.

Rudbeckia hirta L.

Camden: Dry pine-barrens south of Kingsland.

" Mohrii Gray.
(R bupleuroides Shuttl.)

Wet pine-barrens and ponds.
Ware: Between Bolen and Elsie.
Southwest and southeast of Waycross.

Borrichia frutescens (L.) DC.

Glynn: Salt marshes, Brunswick.
Camden: Inner shore, Cumberland I.

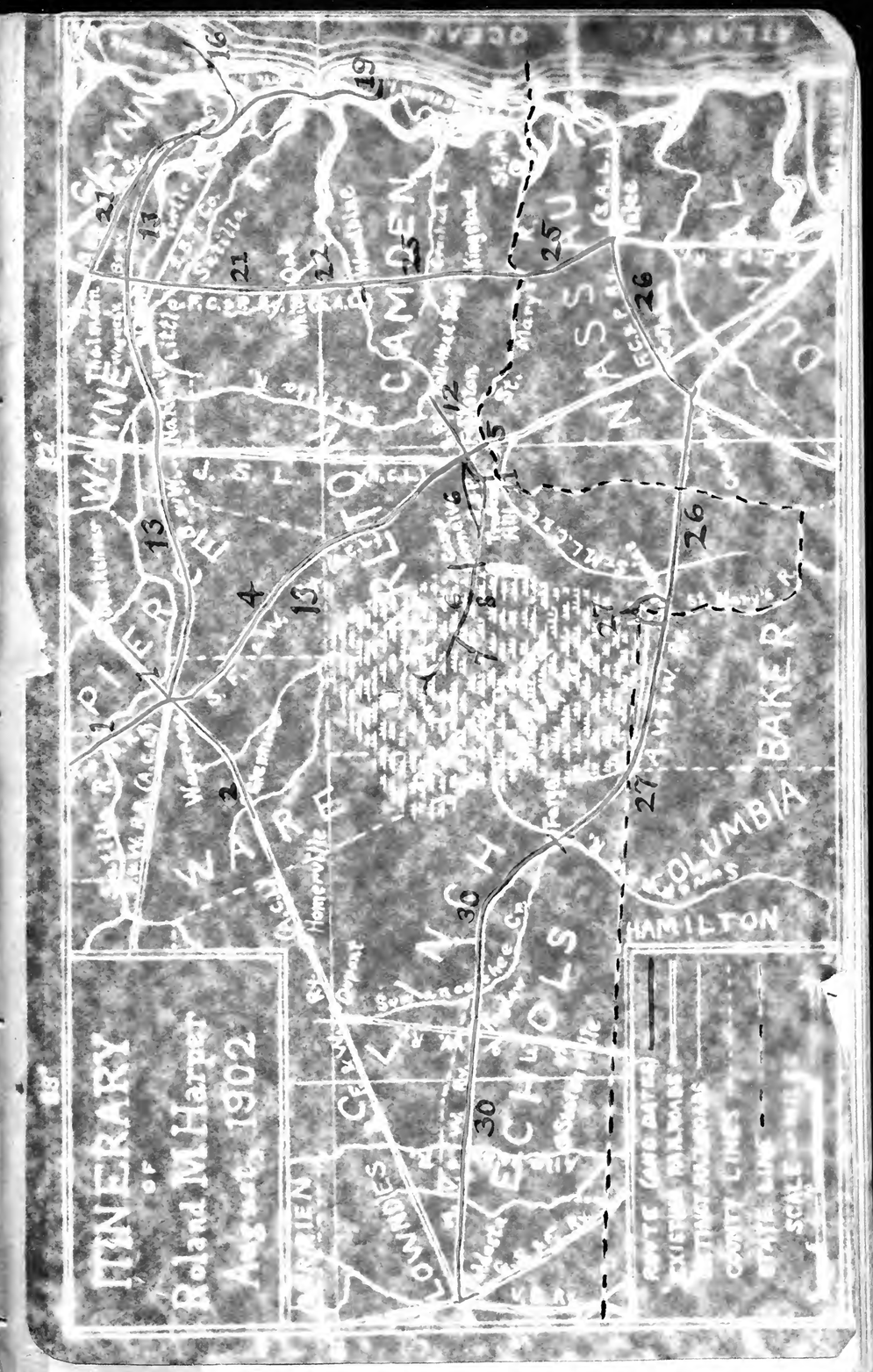
Helianthus

Camden: Moist pine-barrens west of Bull Head Bluff.

Helianthus	radula (Pursh) T. & G.	Rather dry pine-barrens, etc. Ware: Near Waycross. Camden: Frequent. Charlton: Near Folkston.
Coreopsis		Moist pine-barrens. Ware: Between Waycross & Ruskin. Camden: West of Bull Head Bluff. Charlton: Northeast of Folkston. Lowndes: Valdosta
"	lanceolata L.	Camden: West of Bull Head Bluff.
"	nudata Nutt.	Ware: Cypress pond between Waycross and Ruskin.
"		Charlton: Pine-barrens about 5 m. northeast of Folkston.
Bidens		Satilla River swamp near Woodbine (1564)
Baldwinia uniflora Nutt.		Rather dry pine-barrens, common. Seen in every county except Pierce.
Actinospermum angustifolium (Pursh) Fow.		Pierce: Sand-hills of Satilla River.

Flaveria trinervia (Spreng.) Mohr.	On ballast, Brunswick. (1521)
Marshallia graminifolia (Walt.) Small	Moist or rather dry pine-barens. Ware, Pierce, Camden, Charlton.
Helenium tenuifolium Nutt.	A common weed, especially along roads and railroads. Ware, Pierce, Glynn, Camden, Charlton, Echols, Lowndes.
"	Charlton: Pine-barens about 5m. northeast of Folkston.
Artemisia vulgaris L.	On ballast, Brunswick (1522)
Erechtites hieracifolia (L.) Raf.	A weed, often in swamps; from the islands to Okefinokee Swamp. Glynn, Camden, Charlton.
Carduus repandus (Mx.) Pers.	Dry pine-barens near Braganza.
"	Glynn: Streets of Brunswick Camden: South of Woodbine. Charlton: Along river at Traders Hill. Swamp near Camden Co. line.
Chrysanthemum semiflosculare (Walt.) Muntz	Moist pine-barens, not common. Ware, Charlton, Clinch.

THE END.


ITINERARY
of
Roland M. Harper
August 1902
WAYNE
CAMDEN
CLINCH
ECHOLS
WARE
BRANTLEY
CHARLTON
COLUMBIA
BAKER
HAMILTON
OCEAN
Okefenokee Swamp
Trail Ridge
Suwannee R.
Alligator Creek
Cowhouse Creek
Homeworth
Waycross
Folkston
Nahunta
Hoboken
Pearson
Willacoochee
Statenville
Moniac
Macclenny
Callahan
Hilliard
Fernandina
Kingsland
Woodbine
St. Marys
Jacksonville
Atlantic Coast Line
Georgia Southern & Florida
Seaboard Air Line
Florida Central & Peninsular
Jacksonville, Tampa & Key West
Georgia Southern & Florida
Atlantic & Gulf
Savannah, Florida & Western
Plant System
Florida Southern
Georgia Southern & Florida
Atlantic Coast Line

JOURNAL

of a botanical exploration of

OKEFINOKEE SWAMP

and adjacent territory

in the counties of

Ware, Pierce, Charlton, Wayne, Glynn, Camden, Clinch, Echols and Lowndes in

GEORGIA

and portions of

Nassau and Baker in FLORIDA

during the month of

AUGUST, 1902

BY

ROLAND M. HARPER

1902.

August 1. Friday.

Arrived in Waycross on Atlantic & Birmingham RR. about 10:30 a.m. Changed trains before dinner. Started for Satilla River at 1:20 p.m., following the S. F. & W. railroad the entire distance (3 miles). Columbia formation covers practically the whole surface around Waycross, but Lafayette (and perhaps some underlying Tertiary) is exposed in several cuts toward the river. Surface of the country normally very flat, but undulating between Waycross and the river.

A few specimens of Baptisia perfoliata seen on right-of-way about two miles from Waycross, but perhaps not indigenous here. Sagittaria Nuttii also seen. Woods along here mostly composed of Pinus palustris and P. taeda, with some P. serotina, but all considerably tampered with by the operations of

1 (continued).

turpentine, lumber, agriculture, etc.

Sand-hills of Catilla River (all on left side in Pierce Co.) are about a mile wide. At outer edge (i.e., farthest from the river) they are much like the ordinary sand-hills a little farther inland, being characterized by such species as

Cracca Virginiana
Pteridium
Quercus Catesbaei
Myrica pumila
Chrysobalanus oblongifolius
Serenoa serrulata
Batodendron arboreum
Opuntia vulgaris
Smilax pumila
Rhynchospora Grayii
Quercus cinerea
" Virginiana
" Margaretta
" " X Virginiana (?)
Rhus Toxicodendron
Eriogonum tomentosum etc.

In slightly moist spots the following species are met with:

Lophiona the hispida
Diospyros Virginiana
Xolisma ferruginea
Juncus sp. (no. 1445)

Toward the river the sand is whiter and drier, and covered with an almost impenetrable thicket of shrubs 6 to 10 feet high, the following species predominating:

Polypodium stamineum? (5-6 ft. tall)
Quercus sp. (no. 1466)
" Virginiana
Rhus copallina
Xolisma ferruginea
Osmanthus Americana
Batodendron arboreum
Hamamelis Virginiana
Castanea sp. (no. 1467)
Serenoa serrulata.

Very little herbaceous undergrowth in this thicket. Took ~~two~~ or ~~three~~ pictures of it.

Collected a Polanisia (no. 1464) and a Warea (no. 1465) on bare sand close to the railroad, but neither appears perfectly indigenous here. (The same is true of Actinospermum angustifolium, which grows with them.)

Crossed the river again at 4 p.m. The Taxodium here seems to be all imbricarium. Nyssa Ogeche is common here as on all the small rivers and creeks in this vicinity.

Collected 4 numbers and took 8 pictures on this trip. Got back to Waycross about 5 p.m. Rain commenced about 5:15 and continued rest of the evening.

Went to depot and met Ricker on Plant System train from Jacksonville at 5:25. Spent rest of day in discussing plans for exploration, etc.

2. Saturday.

Went for an all-day trip southwestward to Glenmore and beyond, starting from Waycross at 7:50 a.m. Sky partly cloudy, air very clear but not hot. Walked the railroad all the way, there being too much water to walk anywhere else. Country almost perfectly flat, and only one curve on the railroad, about 4 miles from Waycross. (Track said to be straight for 30 or 40 miles beyond Glenmore).

Not much distinction between swamps, ponds and branches along here, and water pretty high everywhere. Flora not very remarkable. Principal trees Pinus palustris, P. taedensis and Taxodium imbricarium. Nyssa Ogeche, Cephalanthus, Magnolia glauca, Nyssa biflora, etc. in creek swamps beyond Ruskin. Pinus serotina quite abundant near Glenmore, forming an unmixed

2. (continued)

growth were small ones.

Rhynchospora corniculata is perhaps the most abundant herbaceous species in open swamps between Ruskin and Wenmore. Sarracenia flava seen only once, near Ruskin. It seems to be very rare in this flat country (but grows in countless millions in the rolling pine-barens a little farther inland). A good deal of Sabbatia decandra and some Rudbeckia Mohrii seen, in addition to the ordinary species of moist pine-barens. Tasted rootstock of Sampulosus for first time (taste indescribable), and helped Ricker collect some seeds of it.

Collected nos. 1468-1470a on this trip and took 3 pictures in the pine-barens. No good water found along the route; wells all very shallow and warm.

No snakes or mosquitoes seen all day.

2. (continued)

Went about 1½ miles beyond Okinmore (or 13 from Waycross), turned back about 4 p.m., and left Okenmore on train about 5, reaching Waycross at 5.30. Wrote up notes after supper.

3. Sunday.

Changed driers and put plants of two previous days in press. Wrote some letters and walked about the city some. Light showers during the day.

4. Monday.

Spent most of the morning buying supplies to use in the swamp. Interviewed two men who had been in there hunting several times. Changed driers and packed up. Went out with Ricker about middle of afternoon to take some pictures.

4. (continued)

Left Waycross at 5:40 p.m., reaching Folkston (33 miles) at 6:30.

Country very flat all the way, except for a long cut 6-8 feet deep (in Columbia sand) between Pacefond and Uptonville and a few undulations along streams near Folkston. Columbia surface everywhere, no Lafayette seen. Flora quite uniform all the way from Waycross to Folkston. The following are the principal species seen from the train:—

Dichromena latifolia
Pontederia cordata
Eriocaulon decangulare
Taxodium imbricarium
Tillandsia usneoides
Serenoa serrulata (very abundant)
Pinus pelustris
" Cubensis
Nyssa biflora
Oxypolis filiformis
Chondrophora
Woodwardia Virginica

4. (continued).

Pterocaulon undulatum.
Eupatorium rotundifolium
Cheria glabella
Eupatorium compositifolium
Pluchea sp. (no. 1430)
Magnolia glauca
Cheria Virginica ?
Cracca Virginiana
Quercus sp. (no. 1457)
Carduus repandus
Myrica pumila
Asclepias lanceolata
Sarracenia minor
Aristida stricta
Eupatorium album
Trilisa odoratissima
Baptisia lanceolata
Juncus repens
" trigonocarpus
Castanea nana ?
Polycodium stamineum
Quercus Catesbaei
Pinus serotina (not common)
Vernonia angustifolia

4. (continued)

Clethra alnifolia
Polygala ramosa
Sabbatia macrophylla
Lilium Catesbaei
Hypericum fasciculatum.

Woods pretty dry most of the way, not full of water as near Clermont. Very few streams crossed.
Pines nearly all turpentined, also lumbered to some extent, but very little cleared land seen. Country very thinly settled.

Folkston seems to be about at the edge of the imperfectly developed sand-hills of the Ft. Mary's River, and the soil there is fine loose dry white sand. Helenium tenuifolium and Acanthospermum australe common, especially the latter, which perhaps acts somewhat as a sand-binder.

Interviewed some of the natives about means of getting into Okefinokee Swamp. The swamp is described as a very interesting place, and this whole

region is considered very salubrious, malaria being unknown. Dangers of the swamp have evidently been exaggerated by those who have never seen it. No one is known to have ever perished in there from snake-bite or any other cause.

5. Tuesday.

Water from pump at hotel strongly impregnated with iron, giving it a rather agreeable taste. Railroad water-tank supplied from an artesian well, the water from which rises to within a few feet of the surface.

Folkston has just been made county-seat of Charlton Co., and a new court-house and a few other new buildings are in process of erection.

5. (continued)

Spent the morning waiting for some of our baggage to come on from Waycross (it arrived about 11 a.m.) and in changing driers, etc. After dinner engaged a man to take us out to the swamp tomorrow morning; then walked the railroad down to St. Mary's River (3 miles away) and back. Topography undulating all the way, much like between Waycross and the Satilla River, but more sandy. Columbia formation 6 or 8 feet deep in many of the cuts, but not forming regular sand-hills as it does along the streams farther inland. Little if any Lafayette seen. Crossed river into Florida at 4:10 and back at 4:20. High bluff on Florida side, and railroad goes through it in a deep cut exposing Lafayette and older underlying strata. River here about the size and appearance of the

5. (continued)

~~fatilla~~ near Waycross, but the Taxodium in it seems to be all T. distichum. Georgia side of the river here flat but not very swampy. In the river bottoms about ½ mile back is a rather peculiar association of plants, including the following species:

Asteria hirtella
Campulosus aromaticus
Koellia hyssopifolia
Rhexia glabella (abundant)
Hypericum myrtifolium
Sabbatia campanulata
Ludwigia virgata (?)
Sarracenia minor
Sieglingia ambigua
Eryngium synchaetum
Crotonopsis spinosa (rather rare)
Rhynchospora Baldwinii
Dichromena latifolia
Quercus minima
Sclera gracilis

Most of these are plants characteristic of moist or rather dry pine-barrens.

5 (continued)

On damper places near by are found the following:

Taxodium imbricarium
Myrica cerifera
Cladium effusum (all sterile)
Ludwigia linifolia
Pinus Cubensis
Clethra alnifolia
Asclepias lanceolata.

Got back to Folkston about 5.40. Laid in some more food supplies (crackers & canned goods) to take into the swamp.

6. Wednesday.

Started for the swamp at 6.10 a.m., with J.W. Roddenberry and his two buggies and a driver. Obtained considerable information about common names and economic plants from Mr. Roddenberry during

6. (continued)

the drive. Two common weeds noticed in the outskirts of Holbston, Stenophyllus Floridanus called "water-grass" here as in Bulloch and Coffee Cos.) and Aeolichia Floridana ("poor-land weed"). Country very sandy and quite hilly the first few miles, becoming gradually flatter toward the swamp.

The following species are characteristic of the sand-hills near Holbston:—

Croton argyranthemus
Psoralea canescens
Quercus Catesbaei ("black-jack")
" Margaretta
Eriogonum tomentosum
Chrysobalanus oblongifolius
Quercus cinerea ("turkey oak")
Asimina sp. (no. 1438)
Breweria humistrata
Quercus minima
Jatropha stimulosa
Cracca Virginiana ("devil's shoestring")
(The juice of the root said to poison fish)

6 (continued)

Polygala grandiflora

In moister places near one of the first streams crossed are seen:

Quercus digitata ("red oak")
Diospyros Virginiana
Liriodendron Tulipifera
Pinus serotina
Rhus Vernix
Cephalanthus
Cyrilla
Magnolia glauca
Alnus rugosa
Azalea viscosa
Woodwardia areolata
Phoradendron flavescens
Tillandsia usneoides
Serenoa serrulata
Ilex glabra
Smilax laurifolia

Flora quite rich all the way, and several unfamiliar plants seen. Pine forests pretty badly

6 (continued)

cumbered. Road becomes rather indefinite last few miles, and has apparently not been traveled for several days. No shoes on horses, not needed in this pure Columbia sand. Houses pretty scarce. For the last three or four miles road goes over a broad smooth sandy scarcely perceptible ridge bounding the eastern margin of the swamp. The following species are common on this ridge:—

Sarracenia minor
" psittacina
Serenoa serrulata (very abundant)
Centella Asiatica
Rhexia glabella
Galactia Elliottii
Oxypolis filiformis
Rhexia ilicifolia
Lilium Catesbaei
Boellingeria reticulata
Xyris torta
Afzilia cassioides

6 (continued)

Chrysobalanus oblongifolius
Polygala setacea
Fimbristylis puberula
Xyridium imbricatum (in depressions)
Cyperus filiculmis
Pteridium
Aristida stricta
Eryngium aromaticum
Asclepias cinerea
Elephantopus elatus
Pinus palustris (fruiting abundantly)
Myrica pumila
Kalmia hirsuta
Xyris brevifolia
Xolisma ferruginea

Reached camp Cornelia, on the canal, at the edge of the swamp, at 9.35 a.m. One family still lives there, to look after the property belonging to the owners of the swamp.

Started out a few minutes later to find a guide living about

6 (continued)

three miles north of Camp Cornelia, and engaged him for $1.50 a day. Borrowed a machete and a net-fly from the office, and started down the plank walk (made of Taxodium imbricarium) to the swamp at 2:25. Passed several empty houses and ruins of sawmill and terminus of extinct Brunswick & Pensacola R.R. (which formerly extended from here to Bull Head Bluff on the Satilla River, passing through Folkston).

Embarked with Ricker and the guide in a small boat on the canal at 2:55. Had our pictures taken with smallest camera just before starting.

Canal at this point full of wrecks of steamboats, dredges, etc. Canal said to have been originally 40 feet wide and 15 feet deep, but now somewhat smaller on account of caving in of banks and

6 (continued)

growth of aquatic vegetation, such as (Pontederia, Sagittaria, Erontium, Eleocharis elongata, etc.

Swamp very open, for first few miles at least. Few trees seen except Taxodium imbricarium, which gives little shade. Pinus tubensis occasionally seen. Tillandsia usneoides always in sight. Banks of canal lined with Panicum digitarioides all along, accompanied by Erontium, Pontederia, Gyrotheca, etc.

Banks variable in height, but usually too high to see over while sitting in boat, principally on account of dense growth of Panicum digitarioides.

At several points not far from entrance of canal are remains of experimental gardens on the elevated banks, but nothing now growing in them but Panicum digitarioides. Soil seems to be mostly peat, and banks of canal were seen on fire in two or three places.

At several places along the canal are numerous muscadine vines (Vitis rotundifolia

var.?), bearing abundant ripe fruit at this time. These are said to have all come from scuppernong seeds thrown out by the crews of the various boats which formerly navigated the canal. Fruit is dark purple, but smaller than either the cultivated scuppernong or the native muscadine; and ripens unusually early.

Sunny day, but cool and pleasant. Only one snake seen, and no mosquitoes until nightfall. Reached Bugaboo Landing, a slightly elevated sandy place on canal bank, about 7 miles from Camp Cornelia, at 6:10 p. m., and camped there for the night. Got water out of a sphagnum bog just over the bank. No discomforts worth mentioning yet.

7. Thursday.

Night passed off without incident, but mosquitoes rather troublesome. Got up about 4:30 a. m. Collected nos.

1471-1473a in the immediate vicinity, and started on foot for Bugalbro Island (about 2 miles west or southwest) at 6:50. Most of the way is through sphagnous bogs (into which we often sank knee-deep), becoming gradually drier toward the island. Herbaceous vegetation of these bogs consists mostly of:-

Woodwardia Virginica (very abundant)
Drosera sp. (no. 1472)
Eriophorum Virginicum ("Indian cotton")
Dulichium arundinaceum
Sarracenia minor (leaves 2-3 ft. tall)
" psittacina (also very large)
Limodorum tuberosum
Peltandra sagittaefolia
" Virginica (rare)
Rhynchospora sp. (no. 1477)

Of shrubs and vines the following species prevail:-

Pieris nitida
" phillyreaefolia
Persea
Smilax laurifolia

Ilex glabra
Itea Virginica
Leucothoe longata ?

The only trees noticed here are Pinus Cubensis (abundant but rather small) and Taxodium imbricarium (less common) Reached island about 8 a. m. Boundary between it and the surrounding bog very indefinite and scarcely perceptible, the island being simply an area where the sand reaches the surface. It is said to be about two miles in diameter, and was discovered only a few years ago. Flora not rich, consisting of the following species:—

Pinus Cubensis (everywhere)
" serotina (rather rare)
Serenoa serulata (everywhere on island, not seen elsewhere in swamp)
Gaylussacia frondosa
Kalmia hirsuta
Pieris nitida
Vaccinium nitidum
Quercus minima

7 (continued)

Xolisma ferruginea (only knee high)
Ilex lucida
" glabra
Gaylussacia dumosa
Chrysopsis graminifolia
Halesia Elliottii (none)

Took several pictures on the island, but didn't collect anything there. Collected nos. 1474-1476 on way out and nos. 1476a-1478 on way back by same route. Reached landing at 10:30 and re-embarked on canal at 11 a.m.

Saw Pieris phillyreaefolia climbing Taxodiums to a height of 20 feet or so by creeping under bark. Collected specimens (no. 1479) and photographed it.

Came to edge of Chase Prairie about noon. The prairie is an open area several square miles in extent, mostly covered with shallow water, and dotted with clumps of Taxodium (called "houses"). No Sphagnum in prairie, but ground

7 (continued)

very boggy. Following species noted:-

Eriocaulon compressum
Xyleria sp. (no. 1480)
Orontium aquaticum
Rhynchospora corniculata
Triadenum Viginicum
Drosera sp.
Pettandra Virginica
Dapatya flavidula
Sarracenia minor (very large)
Panicum digitarioides
Eastalia sp.
Gyrotheca tinctoria
Pontederia cordata
Sagittaria spp.
Utricularia purpurea
" sp. (no. 1481)
Limnanthemum aquaticum

Camped for the night in a small shack in the edge of Jackson Bay, just beyond Chase Prairie, and about 11 miles from Camp Cornelia. Rested more comfortably than last night. Mosquitoes fewer.

8. Friday.

Got up about 4:30 a.m, and collected nos. 1481b-1483 v in the bay before breakfast. Bay consists of a dense forest of Taxodium imbricarium, with the following shrubs and herbs:-

Ilex Cassine
Rhus radicans
Cyrilla racemiflora
Tillandsia usneoides
Xyris fimbriata
Smilax laurifolia
Pieris phillyreaefolia
Woodwardia Virginica
Itea "
Panicum digitarioides
Sarracenia minor
Peltandra Virginica
Pieris nitida
Eriocaulon compressum
Persea
Magnolia glauca

Left camp at 6:05 a.m. and started for civilization again. Collected

8. Friday

nos. 1483 and 1484 along the canal on the way out. Disembarked at 11:50 and reached the settlements at Camp Cornelia a few minutes later.

Afternoon cloudy. Went south of Camp Cornelia about ½ miles. Country there very flat, with a few shallow cypress ponds. Many fine young saplings of Pinus palustris seen near the house. Stenophyllus stenophyllus abundant in unfrequented road. Collected nos. 1485–1489.

After supper found a number of discarded letter-copying books containing conespondence of the defunct Suwanee Canal Co., and made copious selections therefrom. Saw also some maps (both plan and profile) of Brunswick & Pensacola RR., but data on them rather meager.

Noticed a large specimen of Sambucus Canadensis (still in flower) in front yard. Said to be small in comparison with some specimens in creek swamps.

9. Saturday.

Heavy rain at daylight, continuing without interruption until about 1 p. m. Made further selections from Suwanee Canal Co.'s correspondence.

Started out with umbrella about 10:45 and went two or three miles north through extensive pine-barrens in the rain, collected nos. 1490 and 1491. Got back about 1:15 p. m. Took some 4×5 pictures in the vicinity of Camp Cornelia. Started alone for Folkston at 4:15 p. m., following extinct B. & P. R. R. most of the way, carrying nothing but portfolio. Left Ricker and the baggage at Camp Cornelia to follow later. Track straight for about six miles. Ridge bounding the swamp scarcely perceptible in walking over it, but quite conspicuous when looking back along the track from a few miles to the eastward.

Pine forests badly lumbered most of the way, but many young trees now springing up.

9 (continued)

collected no. 1412. Turned off to left on dirt road near Trader's Hill about 7 p.m. Pretty good sand-hills along here, but too dark to study their flora. Reached Folkston at 7:55.

10. Sunday.

Ricker arrived with baggage at 7:45 a.m. Changed all driers and put Okefinokee plants in press. Spent several hours writing up notes, etc.

11. Monday.

Ricker left for St. Augustine at 7:40 a.m. Started for Trader's Hill at 8, by the road. Sand-hills nearly all the way, except first ½ mile and vicinity of Spanish Creek and one of its tributaries, where there is a flora much like

11 (continued)

that of St. Mary's River bottoms.
Reached Traders Hill about 11:15.
It is a small, old, settlement in a
grove of Quercus Virginiana on a
bluff of the St. Mary's River 50
feet high or more. Went down to
river and crossed it on trestle of
extinct St. Mary's, Lake City & Gulf RR.
Several interesting plants seen along
river. Took several 4 x 5 pictures.
Started back about 1 p. m. Noticed
the following species on sand-hills:-

Eriogonum tomentosum
Chrysobalanus oblongifolius
Rukmistera pinnata
Quercus Catesbaei
Polygala grandiflora
Bracca Virginiana
Quercus Margaretta
Baptisia lanceolata
Croton argyranthemus
Breweria humistrata
Serenoa serrulata

11 (continued)

Quercus cinerea
Polygonum stamineum
Gaylussacia pectinata
Asimina sp. (no. 1438)
Chamaecrista fascicularis?
Pericocarpus bifoliatus
Carphephorus sp.
Eryngium aromaticum (no. 1496)
Juncus biflorus (no. 1495)
Psoralea canescens
Helianthus Radula
Meibomia arenicola
Acleria sp. (no. 807)
Jatropha stimulosa
Cyperus filiculmis
Xylosanthes biflora
Asclepias cinerea
Vernonia angustifolia
Berlandiera tomentosa

5 On the peculiar flats near Spanish Creek the following species were noticed:—

11 (continued)

Taxolium imbricarium (scattered)
Rhexia glabella (the most characteristic and abundant species in this "formation")
Rhexia lutea
Hypericum myrtifolium
Eriocaulon decangulare
Sarracenia minor
Sabbatia campanulata
Xyris gracilis
Rhynchospora semiplumosa
Campulosus aromaticus
Dichromena latifolia
Sieglingia ambigua
Xyris pinetella
Pinus Cubensis
Chondrophora (not common)
Koellia hyssopifolia
Polygala ramosa
Panicum stenodes

(Compare with list on p. 13 of this book).
Followed B. & P. R. R. most of the way back to Hickston (3 or 4 miles).
Grade descends rapidly toward

11 (continued)

Spanish Creek, and rises rapidly on other side. Considerable Lafayette exposed beneath Columbia sands in cuts on both sides of creek. Collected nos. 1493-1505 on this trip. Got back to Folkston at 3:15.

12. Tuesday

Started at 6:33 a.m. for Bull Head Bluff on Satilla River in Camden Co., said to be about 10 miles away. Followed extinct B.& P. R.R. all the way except first half mile. Country all rather dry pine-barens and perfectly flat for two miles or so; then small sand-hills and one or two branches, with sphagnous bogs along first one, containing the following species:-

Drosera sp.
Habenaria integra (no. 1507)
Eriocaulon decangulare
Tofieldia racemosa
Burmannia capitata

12 (continued)

Marshallia graminifolia
Campulosus aromaticus
Sarracenia minor
Xyris Baldwiniana
Chrysanthema semiflosculare
Lycopodium Carolinianum
Utricularia juncea
Chondrophora
Asclepias lanceolata
Polygala lutea
Centella Asiatica
Melanthium sp. (no. 1506)
Mayaca fluviatilis
Habenaria blephariglottis
Limodorum tuberosum
Pinguicula [illegible]

In wet woods between the bog and the branch are the following: —

Magnolia glauca
Rhus Vernix
Ilex lucida
Cyrilla racemiflora
Myrica Carolinensis
Osmunda regalis
Woodwardia Virginica

12 (continued)

Second branch runs through a swamp having quite a different flora such as:

Nyssa biflora
Phoradendron flavescens (on the preceding)
Alnus rugosa
Smilax laurifolia
Acer rubrum
Tillandsia sp. (no. 1509)
Polypodium polypodioides
Rhus radicans (got poisoned by it)
Erontium aquaticum
Cuscuta compacta

Photographed the Tillandsia before collecting it. Country more undulating beyond these branches, but track nearly straight all the way. Taxodium imbricarium not seen until 9:40, 3 or 4 miles from Folkston. Pinus serotina frequent along here. Made some photographs of it. Beyond this the railroad passes through several swamps of various sizes, the flora of which seems to indicate absence of Lafayette formation. No ponds seen

12 (continued)

all day. Gladium effusum seen at frequent intervals, but nearly always sterile except in ditches or other places where ground had been disturbed. Crossed a tram-road in operation about 5 miles out. Several unfamiliar plants seen just beyond this point. About 7 miles from Folkston, just west of Camden Co. line, is a particularly interesting swamp about ½ mile wide, with no water flowing through it at this season. Flora composed of many species of deciduous trees, and varied herbaceous vegetation. Path through it nearly choked up with weeds and briers. Came out of swamp about 12:10 and saw house and field ahead (first seen for several hours). Reached house at 12:30 and got some water (first obtainable since leaving Folkston) from the well. (Well is warm, muddy and shallow, but said by owner (a colored man) to be inexhaustible owing to a fissure (probably in the Lafayette

12 (continued)

clay, 2 or 3 feet below the surface)
caused by earthquake of 1886.
Reached Bull Head Bluff at 1:30.
Bank of river at this point about
8 feet high, with exposures apparently
of Columbia, Lafayette, and a little underlying
Tertiary. Taxodium distichum grows
here at edge of water just below
the Lafayette, and T. imbricarium
about 200 yards back from river,
abundance on the Lafayette.
Two or three houses and a steamboat
landing on this side of river. Opposite
bank low and swampy, lined with large
specimens of Pontederia cordata, and
other plants unrecognizable at this
distance. There is some tide at this
point, and steamboat is said to pass
about 3 times a week.
Left Bull Head Bluff at 2:30 and
went back to Holkston by same
route. Pine forests pretty badly
lumbered most of the way, and
somewhat turpentined, though many

12 (continued)

square miles uninhabited.

Collected nos. 1506-1517 on this trip and took six 2¼ x 3¼ pictures and 26 pp. of notes. Got back to Folkston at 6.50.

13. Wednesday.

Put plants in press, changed driers, and packed up. Found that local train on Jesup Short Line only runs Tuesday, Thursday and Saturday, so had to go around by Waycross to get to Brunswick.

Left Folkston at 4:20 p. m. and Waycross at 5:40. Country east of Waycross pretty flat. Sand-hills along a few of the streams. Plenty of Taxodium imbricarium seen. Eriogonum tomentosum last seen in Pierce Co., near Hoboken, 44 miles from Brunswick. No Sarracenia flava seen for a week or more. Crossed Jesup Short Line at Nahunta, 6:23 p. m.

13 (continued)

Its track is perfectly straight beyond horizon in both directions, showing level nature of country. Crossed Satilla River at 6:41. Extensive swamps on both sides of it here, apparently no sand-hills. Too dark to see much beyond this point. Passed Bladen at 6:57 and saw Sabal Palmetto there. It is frequent rest of way to Brunswick. Plenty of salt marshes near Brunswick. No sawmills or turpentine stills seen on this road east of Waycross. Reached Brunswick about 7:30 p. m.

14. Thursday.

Walked about the city from about 6 to 10 a. m., noting the weeds in the streets, etc. Went also about 2 miles back up the railroads, and into salt marshes east of city. Flora of salt marshes much like those of Chatham Co.

14 (continued)

Principal business at Brunswick seems to be exportation of the products of Pinus palustris (and P. Cubensis), especially crossties.

15. Friday.

Went down railroad to lower end of city, about 2 miles beyond depot. Collected nos. 1518-1527 (mostly ballast plants) along the rosin wharves. Came back on other side of city and collected nos. 1528 and 1529. Two or three fine flowing artesian wells along the route.

Ricker arrived on Brunswick & Birmingham R. R. at 12:46. Driers shipped from Folkston not yet arrived. Not much sunshine all day. Thunderstorm about 6 p. m.

16. Saturday.

Put yesterday's plants in press.
Embarked for St. Simon's Island at 8:35 a.m., landing at Ocean Pier, at south end of island, at 9:20.
Walked from there east and north along the beach about 2 miles, to an inlet too wide to cross, and back by same route, several fine artesian wells on the island.
Serenoa abundant near Ocean Pier (probably the same place where William Bartram saw it in 1774), but not seen elsewhere on island.
No Sabal Palmetto seen, and many other characteristic plants of Sybee Island apparently absent.
Cottages on the island mostly empty and many of them twisted around by cyclones and otherwise dilapidated.
Several cultivated fields and permanent habitations seen.
Salt marshes present, but not much variety in their flora.
Saw beds of oysters on stiff clay

16 (continued)

exposed at low tide. No mosquitoes seen all day.

Collected nos. 1530-1535 and took 7 pictures on the island. Plant-communities seen may be roughly classified as follows:-

Beach plants.

Euphorbia polygonifolia
Polygonum maritimum (no. 1534)

Dune plants.

Croton maritimus
Perenoa serrulata
Iva imbricata
Salsola Kali
Yucca aloifolia
Xanthoxylum Clava-Herculis
Juniperus sp. (no. 1532)
Chenopodium sp. (no. 1535)

Thicket back of dunes

Callicarpa Americana
Myrica cerifera
Iva frutescens

16 (continued)

Juniperus sp. (no. 1532)
Smilax sp. (no. 1531)
Paronychia sp. (no. 1533)
Quercus Virginiana
Bumelia lanuginosa
Arenaria "
Opuntia Pes-Corvi (?)
Oplismenus setarius
Melothria pendula
Ampelopsis arborea

Salt marshes
Spartina maritima
Salicornia ambigua
Sondia sp.

On and around pool formed by water from artesian well.
Chara sp. (no. 1530a)
Hydrocotyle umbellata
Monniera Monniera
Paspalum distichum
Cyperus flavescens
Lippia sp.

16 (continued)

Pluchea camphorata
Mikania scandens
Fabbatia stellaris

Ruderal plants
Argemone alba (no. 1530)
Cassia Tora
Erechtites hieracifolia
Capriola Dactylon
Ambrosia artemisiaefolia

Left the island at 5:40 p. m. and reached Brunswick at 6:30. Heavy rain and wind on return trip.

17. Sunday.

Too cloudy to to change driers. Assorted some specimens already dried. Wrote some letters. Went down on wharves, etc., with Ricker.

18. Monday.

Went to custom house to look at some charts of the coast.

Started out at 2:10 p.m. and went up the railroad (Plant System & Southern combined) beyond Dock Junction (about 7 miles). Flat pine-barrens much like those in Charlton Co. begin about 3 miles out, and Lafayette formation probably reaches its seaward limit at this point. Plenty of Pinus Cubensis and many small shrubs (especially Xolisma ferruginea) seen here. Taxodium imbricarium found in a shallow depression 4 or 5 miles from Brunswick, near Dock Junction. Saw some puzzling pines along here, one of them probably the true P. heterophylla of Elliott. Collected some specimens of it (no. 1537) about sunset, with great difficulty, also no. 1536 and 2 fungi.

Got back to Brunswick at 7:50 p.m.

19. Tuesday

Wrote to Washington for some Coast Survey charts of the Georgia coast.

Embarked for Cumberland Island at 8:06 a. m. Looked through Ricker's field-glasses from deck of boat at woods and marshes south and east of Brunswick. Saw some magnificent specimens of Sabal Palmetto along edge of woods and in separate groves, two or three miles away across the marshes. (This species is rather rare around Brunswick, and was not seen on either of the islands visited.)

Boat stopped at Jekyl Island at 9:50. No one allowed to land here without special permission. Several fine buildings near landing, and extensive forests all over the island. Plenty of Uniola paniculata seen on south end of Jekyl and north end of Cumberland, but none accessible to us.

Landed at High Point, on western shore of Cumberland, at 10:30.

Edge of island here is a steep bluff about 25 feet high. On top of this bluff, and extending back ½ mile or more, are dry pine-barrens similar to those of Charlton Co., with the following flora:-

Pinus palustris
Quercus Virginiana
Galium hispidulum
Galactia Elliottii
Juniperus sp.
Polypodium polypodioides
Tillandsia usneoides
Euphorbia cordifolia
Asimina angustifolia
Vernonia "
Elephantopus elatus
Bumelia lanuginosa
Jornia bracteata
Jatropha stimulosa
Clitoria Mariana
Quercus Catesbaei
Psoralea canescens
Houstonia rotundifolia

11 (continued)

Eupatorium compositifolium
Berlandiera tomentosa
Iscyrum sp.
Stillingia sylvatica
Brewera humistrata
Stylosanthes biflora
Helenoa semilata (not common)
Rhynchospora Grayii (no. 1538)
Polygonella sp.
Sporobolus junceus
Morongia sp.
Asimina sp. (no. 1438)

At edge of these pine-barens is an abundance of Bejaria racemosa (reported from this island by Elliott). Collected and photographed it. Just beyond is a sort of scrub thicket $\frac{1}{2}$ or $\frac{3}{4}$ mile wide, with flora much like that of the Latilla River sand hills in Pierce Co., but less xerophytic. The following species were noted here:

19 (continued)

Quercus sp. (no. 1466, 1540)
Xolisma ferruginea (Sp. [illegible])
Pieris nitida ? (no. 1541)
Befaria racemosa
Lyonia salicifolia
Myrica cerifera
Pinus Sabeniensis
Dicranum sp. (no. 1541a)

Followed mule-car track (narrow-gauge) most of the way across the island, a distance of about 2 miles. Reached the beach about 1:30 p.m. Nobody in sight. Fine flowing artesian well on the beach, water from which is absorbed into the hot sand before reaching the ocean.

Wind pretty strong here, blowing constantly toward the land. Its effects are strikingly shown in the leaning of the stunted trees, and movement of the dunes. Dunes are now about ½ mile from beach and advancing rapidly inland.

19 (continued)

Their encroachment on the forest behind them can be plainly seen. Between the beach and present line of dunes are remains of old dunes, capped and held in place by Heteranthera reniformis.

On the shifting sands near the beach the following species prevail:-

Fimbristylis sp. (no. 1544)
Spartina juncea (no. 1545)
Croton maritimus

In the meadow a little farther back are seen the following:-

Dichromena colorata
Juncus megacephalus
Cyperus cylindrostachys
Sabbatia stellaris
Ludwigia sp. (no. 1542)
Gerardia sp. (no. 1543)
Oenothera humifusa
Scirpus Americanus
Juncus sp. (no. 1546)
Cyperus sp. (no. 1547)
Lippia sp.

11 (continued)

Sesuvium Portulacastrum occurs in moist hollows, which are evidently remains of pools which the dunes have passed over and left behind, partly buried. On the dunes the following species were noticed:—

Serenoa serrulata
Croton maritimus
Xanthoxylum clava-Herculis
Fimbristylis sp. (No. 1549)
Leptilon Canadense (introduced?)
Salsola Kali
Euphorbia polygonifolia
Vitis rotundifolia
(This seems to act as a sand-binder)

Dunes quite broad and perfectly bare in some places.

Went from hotel down to landing on mule-car. Explored inner shore of island at base of bluff while waiting for boat, and noticed the following species:—

19 (continued)

Scirpus Americanus
Croton maritimus
Pluchea camphorata
Monniera Monniera
Lippia sp.
Hydrocotyle umbellata
Cyperus sp. (no. 1547)
Juncus Roemerianus
Erechthites hieracifolia
Eleocharis sp. (no. 1550)
Distichlis spicata
Dondia sp.
Borrichia frutescens
Salsola Kali
Polypremum procumbens
Leptilon canadense.

Collected nos. 1538-1550 and took
16 pictures (with both cameras) on this trip.
Embarked at 5:23 p.m. and
reached Brunswick at 7:25.

20. Wednesday.

Criers shipped from Folkston a week ago not arrived yet. Had agent telegraph for them.

Ricker left on Brunswick & Birmingham RR. at 10:40 a. m.

Changed all driers and put most of yesterday's plants in press.

Evening unusually hot and sultry.

21. Thursday.

Packed up, etc. all morning, and just caught Brunswick & Birmingham train at 3:30 p. m.

Flat pine-barrens begin within a mile or two, and extend with few interruptions all the way to Thalmann (18 miles) with few interruptions.

Sabal Palmetto nearly always in sight, sometimes in dense woods and sometimes in open marshes.

Serenoa abundant all through the pine-barrens. Taxodium

21 (continued)

imbricarium scattered all along.
Pinus serotina seen at many points.
Passed several interesting salt marshes
and extensive swamps, containing
unfamiliar plants. Reached Thalmann
at 4:28 and left on F. C. & P. Ry.
(now Seaboard Air Line) at 4:43.
Beautiful specimens of Sabal Palmetto
abundant in the pine-barens around
Thalmann and for several miles south
of there. Trunks rather slender,
often 30 feet tall or more, usually
naked. Many specimens in fruit.
Plenty of "round timber" (mostly Pinus
palustris) between Bladen and S. B. Ry.
crossing. In Camden Co. noticed
numerous extensive swamps similar to
those between Folkston and Bull Head
Bluff, containing Taxodium distichum
and other species presumably indicating
absence of Lafayette formation.
Reached White Oak about 5:20
and stopped there a day.
Started at 5:30 for White Oak River,

21 (continued)

a small tidal stream, bordered by extensive brackish marshes, crossing the railroad just north of station. Tide rises and falls about 6 feet here, and river is navigable for sailboats up to railroad trestle. Collected nos. 1551–1553 in these marshes, and returned at 6:30. Water in river said to be alternately fresh and salt. Few mosquitoes seen here.

White Oak has fine artesian well system for such a small place (about 60 inhabitants), and has quite a thrifty appearance.

22. Friday.

Changed all driers and put yesterday's plants in press. Saw a lot of Melochia corchorifolia in back yard. This weed is said to have come in about two years

22 (continued)

ago, and flourishes in cultivated land.
Other weeds noticed here are:

Cyperus Iria
" compressus
Portulaca oleracea
" pilosa
Mollugo verticillata
Eleusine Indica
Euphorbia maculata
Commelina sp.

~~Saw~~ inverted cypress knee (probably T. distichum) used for trough under faucet in back yard.

Started for White Oak River again at 2:30. Collected nos. 1554 - 1558 and took three 4x5 pictures. The following are representative species in the marshes:-

Eleocharis sp. (no. 1550)
Mikania scandens
Dichromena colorata
Sagittaria lancifolia
Zizania aquatica (Panicle 4-5 ft. long. Stems 10 ft. tall. Leaves about 7 ft. x 3 in.)

22 (continued)

Pontederia cordata (5-6 ft. tall)
Cyperus Haspan
" sp. (no. 1552)
" virens
Spartina polystachya (10 ft. tall)
Ludwigia alata (no. 1554)
Cicuta Curtissii
Solidago sempervirens ?
Lythrum lineare (no. 1553)
Cladium effusum (8 ft. tall)
Juncus Roemerianus (6 " ")
Samolus floribundus
Kosteletzkya Virginica
Senida sp. (no. 1556)
Scirpus sp. (no. 1557)
Typha latifolia
Baccharis halimifolia
" angustifolia

Got back to depot about 5 p. m. and left on southbound train at 5:17. Extensive swamps again between White Oak and Woodbine, as well as plenty of flat pine-barrens. Marshes of

22 (continued)

Satilla River much narrower than those of White Oak River, but river considerably larger, with drawbridge across it.

Reached Woodbine (4½ miles from White Oak, and ½ mile south of Satilla River) at 5:25. Seems to be a little smaller place than White Oak. Same kind of artesian water here as throughout the maritime counties, slightly sulphurous. Thunderstorm after supper.

23. Saturday.

Started out at 7:15 a. m. and went four miles down railroad and back. Track straight all the way and beyond horizon southward. Country nearly flat with very slight undulations, shallow ponds and sluggish streams. Pine forests lumbered and turpentined a little, but almost unbroken. Pinus palustris and P. Cubensis both abundant, and Taxodium imbricarium frequent.

23 (continued)

Lafayette formation exposed in a few cuts, under about 3 feet of Columbia sand.

The following species are characteristic of ~~these~~ flat pine-barens:-

Marshallia graminifolia
Trilisa odoratissima
Hypericum myrtifolium
Centella asiatica
Eleocharis Baldwinii
Aristida spiciformis
Eupatorium rotundifolium
" hyssopifolium
Ilex glabra
Serenoa serrulata
Xolisma ferruginea
Boellingeria reticulata
Bejaria racemosa (rather rare)
Kalmia hirsuta
Pterocaulon undulatum
Hypericum fasciculatum
Rhexia ciliosa
" glabella
Baldwinia uniflora

23 (continued)

Halactia Elliottii
Sabbatia "
Sarracenia minor
Campulosus aromaticus
Cladium effusum (sterile)
Habenaria Blephariglottis
Mesosphaerum rugosum
Polygala Cutea
Eriocaulon decangulare
Pinus serotina
Xyris torta
Eupatorium verbenaefolium
Hypericum opacum
Oxypolis filiformis
Oldenlandia
Lilium Catesbaei
Coreopsis angustifolia ?
etc.

Passed Colesburg (3 miles from Woodbine) at 9:57 and again at 10:55. No settlement there except a store (including postoffice) and a house. Plenty of "round timber" (P. palustris) in the vicinity.

Collected nos. 1559 and 1560 on

23 (continued)

this trip. Got back to Woodbine at noon.

Went out between 1 and 2 p. m. and took 3 pictures along river with 4 × 5 camera. Started out again at 2:05 with portfolio and small camera. Took 4 pictures. Borrowed a boat and collected a Spartina (no. 1561) in edge of water. Scirpus Cacustris (about 8 ft. tall) grows with it; not seen elsewhere in Camden Co.

Marsh is bordered in some places by a belt of Iva frutescens about 10 feet wide, succeeded by Pontederia, Zizania, Sagittaria latifolia, etc.

Took refuge in bridge-tender's house during a rainstorm from 3:30 to 4:45. Met there a gentleman who wants list of plants observed in Camden Co.

Went across river after rain and collected nos. 1562-1565 in the swamp just beyond the

23 (continued)

brackish marsh. Flora here differs somewhat from that of the marshes, consisting (in part) of the following species:

Polygonum arifolium (no. 1563)
Eupatorium serotinum
Sambucus Canadensis
Typha latifolia
Osmunda regalis
Mikania scandens
Ludwigia alata
Bidens sp. (no. 1562)
Juncus sp. (no. 1564)
Pontederia Virginica
Scirpus Eriophorum
Rhynchospora miliacea
Baccharis halimifolia
Panicum sp.
Magnolia glauca

Returned to Woodbine at 6:15 p. m.

24. Sunday.

Pretty cloudy morning. Started out at 8 a.m. and went west of Woodbine about a mile, discovering there a fine rice plantation on the right bank of the Satilla River, on a bluff about 10 feet high. Rice fields in marshes on opposite side of river, which are about $\frac{1}{2}$ mile wide. Owing to a big bend in the river at this point, marshes are all on one side. Beautiful view up and down the river at this point. Bluff presents about the same geological section as at Bull Head Bluff, which is on same side of river about 10 or 15 miles above. Taxodium distichum grows at edge of water at both places. Country between here and Woodbine much like that near Camp Cornelia in some respects.

Returned to Woodbine about 9:30, and went out about $\frac{1}{4}$ mile northeast of the station shortly before noon. Saw a single specimen

24, (continued)

of Podostigma in pine barrens there. Changed all driers after dinner (hindered considerably by wind and clouds), and put yesterday's plants in press. Cool and pleasant about sunset.

25, Monday.

Left Woodbine on southbound train at 7:50 a.m. Got off at Kingsland (about 12 miles) at 8:09. Left most of hand-baggage in depot and started immediately for St. Mary's River, 4 miles down the railroad. Dense pine barrens all around Kingsland. Several small Nyssa biflora ponds south of there. A mile or two south of Kingsland are two interesting creeks, Little and Big Catfish, the latter a tidal stream, but with only a narrow fringe of brackish marsh along it. Taxodium distichum occurs there. Between these creeks is a fine geological section

25 (continued)

of the two superficial formations, where railroad passes through a low sandy ridge in the pine barens. Flora of this ridge the most xerophytic seen on the mainland of Camden County.

Came to edge of river swamp (which is about a mile wide here) about 10 a. m. Swamp here is different from all other river swamps seen, consisting mostly of a very open forest of Pinus Cubensis, with a dense undergrowth of the following woody plants:—

Gordonia Lasianthus (abundant)
Pieris nitida
Smilax laurifolia
Persea sp.
Ilex glabra

and the following herbs:—

Woodwardia Virginica
Sarracenia minor
Gyrotheca tinctoria
Rhynchospora sp. (no. 1477).

25 (continued)

At least four strata of vegetation are plainly discernible here, viz., the pines, the shrubs (all about 6 feet tall, Gordonia predominating), the herbs, and the Sphagnum which covers the ground everywhere. The whole has an aspect very similar to that of the bogs in the vicinity of Bugaboo Island in Okefinokee Swamp. (Compare with lists on pp. 22 and 23 of this book).

Toward the river the woods become denser and the Gordonias larger. Trees extend to within a few feet of the river, the brackish marshes being very narrow here. Flora of the marshes very similar to that of the Satilla River marshes near Woodbine, 16 miles north of here, but Taxodium distichum much more abundant on the St. Mary's. Crossed drawbridge about 10:50 and talked with bridge-tenders on Florida side

25 (continued)

about 20 minutes, then came back to Georgia and collected nos. 1567-1571 in river swamp. Took two or three pictures in the vicinity. Walked slowly back to Kingsland. Crossed Big Catfish Creek again at 2 p.m. Tide up now. Water in Little Catfish Creek below railroad running backward, on account of tide, but absolutely nothing in the flora there to indicate proximity of the ocean. Found a fine cool spring in shady woods near Little Catfish Creek at 103d mile-post. Flora of woods surrounding spring very similar to that of similar places 200 miles inland, though this is probably not over 10 feet above sea-level. The following species were noted here:—

Decumaria Barbara
Rhus radicans
Vitis rotundifolia
} climbing same tree

25 (continued)

Magnolia grandiflora
Ilex Cassine
Asplenium Filix-foemina
Conoclinium coelestinum
Oplismenus setarius
Lamolus floribundus
Potamogeton Conchites (?)
Micranthemum orbiculatum
Ilex opaca
Panicum sp. (no. 1106)
Mitchella repens
Rubus nigrobaccus

Mosquitoes troublesome in these woods, but not seen elsewhere today.
Met owner of spring (and adjacent land) a little later. He says the temperature of the spring is 40° F. in summer, and somewhat more in winter.
Got back to Kingsland ~~about~~ 4:25 and left on southbound train at 5:47.

No Sabal Palmetto seen anywhere in Camden County.

5 (continued)

crossed St. Mary's River into Nassau Co. Fla. again at 5:53 p.m.

Very little cleared land in this part of Florida, country being nearly all flat pine-barrens (P. palustris and P. clubensis both abundant), mostly pretty dense. Forests are partly turpentined but scarcely lumbered yet. Plenty of shallow Taxodium imbricarium ponds and a few Taxodium distichum swamps seen. Reached Yulee about 6:10 and had to wait there over seven hours. Very few habitations there.

Went out with railroad night watchman between 10 and 11 p.m. to find and identify some "rattlesnake master" (Habenaria blephariglottis). The flower is supposed to bear a strong resemblance to a snake's mouth, and the crushed leaves taken internally are said to be a sure cure for snake-bite. Plant said to have several other remarkable properties. Night uncomfortably cool. Few mosquitoes around

26. Tuesday.

Left Yulee on mixed train at 1:20 a.m., arriving at Crawford (28 miles) at 2:40. Depot closed and nobody awake. Walked up and down F. R. & W. Ry. about a mile by moonlight. Sun rose about 5:10 a. m., Central time.

Changed all driers and dried them on depot platform. Left Crawford on freight train at 10:21 a. m. Country along F. R. & W. Ry. pretty badly lumbered, both in Florida and Georgia. Crossed St. Mary's River (8 miles from Crawford) back into Georgia at 11:05. More or less sand-hills on both sides of it here. Near Cutler (2 miles from the river) are some fine cypress ponds, apparently untouched, and containing considerable bushy undergrowth, mostly Ilex myrtifolia. Two or three miles beyond Cutler the railroad crosses a ridge (probably the same one which runs along the east side of Okefinokee Swamp) in a cut about a mile long and 6 feet deep, with a

26 (continued)

geological section exactly like that of the canal near Camp Cornelia. This ridge is doubtless what deflects the St. Mary's River so far to the southward. Bejaria racemosa seen several times along here. About a mile east of Moniac the country looks much like some parts of Okefinokee Swamp, the three "Cays" (Gordonia, Persea, and Magnolia glauca) being conspicuous, together with Woodwardia Virginica, Dulichium, Pieris nitida, Smilax laurifolia, etc. Got off at Moniac about 12:15 p.m.

Moniac has a temporary appearance, being strictly a sawmill town, with about 100 houses, all unpainted, mostly with 2 or 3 rooms. Walked around town some and across St. Mary's River into Baker Co. Fla. River here is only 15 or 20 feet wide, and has many logs fallen across it. Nyssa Ogeche and Taxodium distichum grow in the river, and T. imbricarium a

26 (continued)

few feet away.

Opened trunk in freight shed (no hotel or depot here) and put yesterday's plants in press, greatly to astonishment of natives.

The following weeds have already arrived at Moniac :—

Eragrostis sp. (no. 1656)
Lepidium compressus
" squarrosus
Stenophyllus stenophyllus
" Floridanus
Euphorbia maculata.

Went down in river-swamp about 4:30 p. m. and collected nos. 1572 a-1576. The following species were noted in addition to those mentioned above :—

Tillandsia usneoides
" sp. (no. 1573)
Cyrilla racemiflora
Ilex Cassine
" opaca
Anastrophus paspaloides

26 (continued)

~~Serenoa serrulata~~
Xyris sp. (no. 1574)
Panicum sp. (no. 1575)
Uniola laxa
Clethra alnifolia
Acer rubrum.

Just outside of the river swamp are the ordinary plants of moist pine-barens.

Jam on table at supper said to be made of fruits of Sambucus Canadensis and Nyssa Ogeche.

27. Wednesday.

Started for Okefinokee Swamp about 8 a.m. Went across river into Florida and northward along an abandoned tram road about 3 miles. Country almost uninhabited. Found Ellicott's Mound (marking east end of straight line dividing Georgia from Florida), with the assistance

27 (continued)

of a native, about 1:40 p. m. Went northwest of there about a mile without seeing anything of Okefinokee, then had to return on account of approach of night. Mound very poorly preserved and inconspicuous. Flora in the vicinity about the same as in all rather dry or moist pine-barrens in that part of the country, the following species being noted:—

Serenoa serrulata
Ilex glabra
Eupatiya flavidula
Eleocharis Baldwinii
Hypericum fasiculatum
" opacum
Eriocaulon decangulare
Pinus serotina
" palustris
" Cubensis
Lycopodium alopecuroides
Sarracenia minor
Sabbatia Elliottii
Centella Asiatica

27 (continued)

Gordonia Lasianthus
Taxodium imbricarium
Aristida spiciformis
Drosera sp. (common)
Smilax laurifolia
Pieris nitida
Apsa biflora
Gyrotheca tinctoria
Juncus biflorus
Pilisa odoratissima
Rhexia ciliosa
" glabella
Xyris brevifolia
" fimbriata
Bejaria racemosa
Polygala setacea
Vaccinium nitidum ?
Marshallia graminifolia
Hypericum myrtifolium
Woodwardia Virginica
Aronia arbutifolia
Ilex myrtifolia
Sclenia gracilis ?
Habenaria blephariglottis

27 (continued)

Cliethra alnifolia
Oxypolis filiformis
Baldwinia uniflora
Chondrophora
Physostegia
Campulosus aromaticus
Quercus sp. (no. 1577)
Gratiola pilosa
Afzelia cassioides
Eryngium synchaetum
Aletris farinosa
Cynoctonum sessilifolium
Dichromena latifolia
Rhynchospora corniculata
" axillaris
Seleria Baldwinii
Aristida palustris
Lilium Catesbaei
Polygala ramosa
Lachnocaulon anceps
Mesosphaerum rugosum
Ludwigia virgata

On the swamp of a small branch were found the following:—

27 (continued)

Nyssa Ogeche
Persea
Itea Virginica
Sulichium arundinaceum
Woodwardia Virginica
Taxodium imbricarium
Blechnum serrulatum.

Crossed Ft. Mayo River, near Ellicotts Mound (no water in it at this time and place) at 4:34, and went down left side of it to Moniac, following an extinct and almost obliterated tram-road nearly all the way. No houses, fields, or "round timber" seen all the way back (a distance of about 4 miles). Took several pictures with both cameras on this trip. Reached Moniac at 6 p. m. Left on passenger train at 9:07, passing through about 20 miles of Baker Co. Fla. in the dark. Got off at Fargo, in Clinch Co., on right bank of Suwannee River, at 9:45.

28. Thursday

Fargo is also a sawmill town, much smaller than Moniac, but apparently built to stay, with electric lights, artesian water, painted houses, and a depot. The place is surrounded by almost unbroken pine forests. Weeds here about the same as at Moniac.

Went down to river twice in morning and took some pictures. Suwannee River here differs from all others seen, but resembles most the St. Mary's at Moniac. Banks are low but often steep, muddy or sandy, and lined with Taxodium and Nyssa Ogeche. These two species also grow in middle of river, making navigation impossible except for small boats.

Changed all driers and put plants from Moniac in press.

Went out across river at 2:50 p.m. and collected nos. 1577b–1580 a in the swamp. Continual rain from about 3:15 to 5, making collecting disagreeable.

28 (continued)

The following species prevail in muddy flats of the river-swamp:-

Planera aquatica
Anastrophus paspaloides (no. 1585)
Sphagnum sp. (no. 1582a)
Rhexia sp. (no. 1578)
Eupatorium sp. (no. 1579)
Xyris sp. (nos. 1574, 1584)
Fraxinus Caroliniana
Nyssa Ogeche
Ilex myrtifolia (unusual habitat)
Scleria sp. (no. 1583)

Went beyond river a mile or so. Swamp on left side about ½ mile wide. Dense pine-barrens beyond. Got back about 5:40.

29. Friday.

Cloudy all morning and threatening rain. Went off in woods to the eastward without portfolio or camera. Pine-

29 (continued)

barrens there pretty dense, turpentined but not lumbered yet. Struck a tram road and followed it to Suwanoochee Creek and across into Echols Co. Suwanoochee Creek is full of Typha Cyeche and looks much like some streams of the same size in Coffee Co. Pine-barrens on other side considerably lumbered. Collected nos. 1580a-1582 in Echols Co.

Went down on Suwannee River again in afternoon, from about 3:10 to 5:30. Collected nos. 1582a-1585 and took some $2\frac{1}{4} \times 3\frac{1}{4}$ pictures.

30. Saturday.

Went out in woods $\frac{1}{2}$ or $\frac{3}{4}$ mile north of Fargo and saw some lumbering operations with skidder, log train, etc. Changed all driers and put yesterday's plants in press.

Left Fargo on freight train at

30 (continued)

1:05 p. m. Pine-barrens flat and lumbered nearly all the way to Valdosta. Numerous tram-roads branching off from main line, but some of them extinct. Only two or three sawmills seen, and no turpentine stills. Fine cool day.

Entered Echols Co. about 2:30. Only one curve in Echols Co., and that a very slight one, just east of Naylow. Few cultivated fields seen until within 15 or 20 miles of Valdosta. Crossed Allapaha River at 3 p. m. Topography somewhat broken in the vicinity, some cuts on the railroad being 15 feet deep, mostly Lafayette. Flora of the river banks apparently interesting but not much of it recognized. Saw Eriogonum tomentosum near there, for first time in 17 days. Entered Lowndes Co. about 3:25 p. m. and reached Valdosta (47 miles from Fargo) about 3:55. Walked around the city and

30 (continued)

its outskirts some, and made notes on the flora. Topography of the vicinity heterogeneous and very puzzling. Geology probably complicated. Lafayette formation comes nearly or quite to surface in many places. Saw box of driers (missing for 17 days) in Plant System freight depot.

31. Sunday.

Started out about 10 a. m. and went down L. S. & T. Ry. a mile or two with 4×5 camera. Several cypress ponds immediately south of city, containing somewhat different flora from any seen previously. Plenty of Castalia in them. Pine-barens full of undergrowth. At least 6 species of Ludwigia seen.